PUBLIKÁCIÓS JEGYZÉK
KÓCZY T. LÁSZLÓ

2007

1. L T Kóczy, J Botzheim, T D Gedeon
   Fuzzy Models and Interpolation
   Forging New Frontiers: Fuzzy Pioneers I II, Berlin; Heidelberg: Springer, 2007.
   pp. 111-131.
   (Studies in Fuzziness and Soft Computing; 217)
   1. Johanyák Zsolt Csaba
      Fuzzy szabály-interpolációs módszerek és mintaadatok alapján történő automatikus rendszergenerálás
      Ph.D. értekezés, 2007
      Miskolci Egyetem, Hatvany József Informatikai Tudományok Doktori Iskola
2. P Soproni, J Botzheim, T Cinkler, L T Kóczy
   Grooming-Enhanced Multicast in Multilayer Networks with Bacterial Evolutionary Algorithm
   8th International Symposium of Hungarian Resarchers on Computational Intelligence and Informatics
   15-17 November, 2007, Budapest pp. 211-225.
3. K Tamás, L T Kóczy
   Mamdani-type Inference in Fuzzy Signature Based Rule Bases
   8th International Symposium of Hungarian Resarchers on Computational Intelligence and Informatics
   15-17 November, 2007, Budapest pp. 513-525.
4. R Lovassy, L T Kóczy
   S-Shaped Fuzzy Flip-Flops
   8th International Symposium of Hungarian Resarchers on Computational Intelligence and Informatics
   15-17 November, 2007, Budapest pp. 383-391.
5. T Héray, G Rózsa, L T Kóczy
   The possible applications of Fuzzy logic for the treatment of conflicts in the dispositional tasks of railway traffic control centers
   IEEE Africon 2007, 26-28 September 2007, Republic of Namibia
6. M Drobics, J Botzheim, L T Kóczy
   Increasing Diagnostic Accuracy by Meta Optimization of Fuzzy Rule Bases
   IEEE Conference on Fuzzy Systems, 23-26 July 2007, London pp. 271-275.
7. L T Kóczy, R Lovassy
   Fuzzy Flip-Flops and Neural Nets?
   IEEE Conference on Fuzzy Systems, 23-26 July 2007, London pp. 605-610.
8. L T Kóczy, R Lovassy
   Fuzzy Flip-Flops Revisited
   O. Castillo et al. (Eds.): Theor. Adv. and Appl. of Fuzzy Logic and Soft Computing, ASC 42, pp. 643-652, (2007)
9. K W Wong, T D Gedeon, L T Kóczy
   Fuzzy Signature and Cognitive Modelling for Complex Decision Model
   O. Castillo et al. (Eds.): Theor. Adv. and Appl. of Fuzzy Logic and Soft Computing, ASC 42, pp. 380-389, (2007)
10. J Botzheim, C Cabrita, L T Kóczy, A E Ruano

Genetic and Bacterial Programming for B-Spline Neural Networks Design
JOURNAL OF ADVANCED COMPUTATIONAL INTELLIGENCE AND INTELLIGENT INFORMATICS 11 (2) 220-231 (2007)

1. T Német, M Menényi, Z Harnos
   A precíziós mezőgazdaság módszertana
   Szeged: JATEPress, 2007

11. L T Kóczy, J Botzheim, R. Sallai, K Csányi, T Kuti: Meterológiai adatok azonosítása hálózatfelügyeleti mérésekből, Magyar Tudomány (2007/7), pp. 916-922
12. L T Kóczy, J Botzheim, R Sallai, K Csányi, T Kuti: Applying fuzzy inference in the supervision system of mobile telecommunication networks, HÍRADÁSTECHNIKA, (62) (1) pp. 47-55. (2007)
13. P Földesi, L T Kóczy, J Botzheim: Fuzzy Extension for Kano's Model Using Bacterial Evolutionary Algorithm, 3rd International Symposium on Computational Intelligence and Intelligent Informatics (ISCIII'07) Marokkó (2007) pp. 147-151.
14. L T Kóczy, T D Gedeon: Context Dependent Reconstructive Communication, 3rd International Symposium on Computational Intelligence and Intelligent Informatics (ISCIII'07) Marokkó (2007) pp. 13-19.

2006

15. B. S. U. Mendis, T. D. Gedeon, J. Botzheim, and L. T. Kóczy
    Generalised weighted relevance aggregation operators for hierarchical fuzzy signatures.
    In Proceedings of the International Conference on Computational Intelligence for Modelling, Control and Automation (CIMCA 2006), Sydney, Australia, November 2006.
16. Kóczy L T, Botzheim J, Sallai R, Csányi K, Kuti Tamás: Fuzzy következtető rendszerek alkalmazása mobil hálózatok felügyeletében
    HÍRADÁSTECHNIKA (61) (12) pp. 52-59. (2006)
17. R Lovassy, L T Kóczy
    Fuzzy J-K Flip-Flops Based on Various Classic and Non-Associative Norms
    SCIENTIFIC BULLETIN OF "POLITEHNICA" University of Timisoara 51 (65) pp. 11-18. Romania (2006)
18. K W Wong, D Tikk, T D Gedeon, L T Kóczy
    Rule Interpolation for Multidimensional Input Spaces With Applications: A Case Study
    IEEE T FUZZY SYST 13: (6) 809-819 (2006)
    IF: 1.803
    Független idéző: 2
    1. Johanyák Z C, Kovács S
       A Brief Survey and Comparison on Various Interpolation Based Fuzzy Reasoning Methods
       ACTA POLYTECH HUNG, 1: 61-76 (2006)
    2. Johanyák Zsolt Csaba
       Fuzzy szabály-interpolációs módszerek és mintaadatok alapján történő automatikus rendszergenerálás
       Ph.D. értekezés, 2007
       Miskolci Egyetem, Hatvany József Informatikai Tudományok Doktori Iskola
19. T Tari, L T Kóczy, C Gáspár, J Hontvári
    Control of Traffic Lights in High Complexity Intersections Using Hierarchical Interpolative Fuzzy Methods
    IEEE World Congress on Computational Intelligence (WCCI) Vancouver, pp. 5965-5968. (2006)
20. T Tari, L T Kóczy, C Gáspár, J Hontvári

Control of traffic light sin high complexity intersections using hierarchical interpolative fuzzy methods
11th International Conference; Information Processing and Management of Uncertainty in Knowledge-based Systems, (IPMU) Paris, pp. 122-126. (2006)

21. R Lovassy, L T Kóczy
Non-Associative Fuzzy Flip-Flop with Dual Set-Reset Feature
4th Serbian-Hunagarian Joint Symp. on Intelligent Systems, Szabadka, pp. 289-299. (2006)

22. R Lovassy, L T Kóczy
Comparison of Elementary Fuzzy Sequential Digital Units Based on Various Popular T- norms and Co-norms
3rd Romanian-Hungarian Joint Symposium on Applied Computational Intelligence, (SACI) Timisoara, pp. 164-174. (2006)

23. L T Kóczy
Fuzziness and computational intelligence: dealing with complexity and accuracy
SOFT COMPUT 10: (2) 178-184 (2006)
IF: 0.516

24. K W Wong, T D Gedeon, L T Kóczy
Efficient Fuzzy Cognitive Modeling for Unstructured Information
IEEE World Congress on Computational Intelligence (WCCI) Vancouver, pp. 1434-1438. (2006)

25. J Botzheim, E Lughofer, E P Klement, L T Kóczy, T D Gedeon
Separated Antecedent and Consequent Learning for Takagi-Sugeno Fuzzy Systems
IEEE World Congress on Computational Intelligence, (WCCI) Vancouver, pp. 10478-10484. (2006)

26. C Cabrita, J Botzheim, T D Gedeon, A E Ruano, L T Kóczy, C Fonseca
Bacterial memetic algorithm for fuzzy rule base optimization
World Automation Congress (WAC) Budapest, CD proc. (2006)

27. . B S U Mendis, T D Gedeon, L T Kóczy
On the issue of learning weights from observations for fuzzy signatures
World Automation Congress (WAC) Budapest, CD proc. (2006)

28. . B S U Mendis, T D Gedeon, L T Kóczy
Learning Weights from Observations for Hierarchical Fuzzy Signatures
SCIS/ISIS, Japan, 2006. (2006)

29. B S U Mendis, T D Gedeon, L T Kóczy
Learning Generalized Weighted Relevance Aggregation Operators Using Levenberg-Marquardt Method
6th International Conference on Hybrid Intelligent Systems (HIS 06') and 4th Conference on Neuro-Computing and Evolving Intelligence (NCEI 06'), New Zealand, 2006 (2006)

30. B S U Mendis, T D Gedeon, L T Kóczy
Flexibility and Robustness of Hierarchical Fuzzy Signature Structures with Perturbed Input Data
11th International Conference; Information Processing and Management of Uncertainty in Knowledge-based Systems, (IPMU) Paris, pp. 2552-2559. (2006)

2005

31. . K W Wong, D Tikk, T D Gedeon, L T Koczy
Fuzzy rule interpolation for multidimensional input spaces with applications: A case study
IEEE T FUZZY SYST 13: 809-819 (2005)
IF: 1.701

32. T Hartványi, L Tóth, L T Kóczy

Possibilities of introducing quasi-pull production philosophy combined with fuzzy decision support
International symposium on Computational Intelligence and Intelligent Informatics (ISCIII) Tunis, pp. 154-156. (2005)

33. T Hartványi, L T Kóczy, L Tóth
Applying Intelligent Methods in Logistics Control
IEEE 3rd Conference on Computational Cybernetics, (ICCC) Mauritius, CD proc. (2005)
34. S Szaszkó, L T Kóczy, T D Gedeon
Fuzzy Pseudo-thesaurus Based Clustering of a Folkloristic Corpus
IEEE International Conference on Fuzzy Systems, (FUZZ-IEEE) Reno, pp. 126-131. (2005)
35. L T Kóczy, M M Balas, M Ciugudean, V E Balas, J Botzheim
On the Interpolative Side of the Fuzzy Sets
IEEE International Workshop on Soft Computing Applications, (SOFA) Szeged - Arad, pp. 17-23. (2005)
36. L T Kóczy
Fuzzy Models and Interpolation
(BISCE) Berkeley, Cd proc. (2005)
37. L T Kóczy
Fuzzy Models and Interpolation
IEEE International Workshop on Soft Computing Applications, (SOFA) Szeged - Arad, pp. 206-207. (2005)
38. Kóczy LT, Botzheim J
Fuzzy Models, Identification and Applications
IEEE 3rd Conference on Computational Cybernetics, (ICCC) Mauritius, CD proc. (2005)
    1. M Takács
    Uniform-based models for FLC systems
    IEEE International Workshop on Soft Computing Applications, SOFA 2005
    pp. 51-55. Szeged, 2005
39. J Botzheim, C Cabrita, L T Kóczy, A E Ruano
Fuzzy Rule Extraction by Bacterial Memetic Algorithms
Fuzzy Logic, Soft Computing and Computational Intelligence
11th International Fuzzy Systems Association World Congress, (IFSA) Beijing, pp. 1563-1568. (2005)
    1. Johanyák Zsolt Csaba
    Fuzzy szabály-interpolációs módszerek és mintaadatok alapján történő automatikus rendszergenerálás
    Ph.D. értekezés, 2007
    Miskolci Egyetem, Hatvany József Informatikai Tudományok Doktori Iskola
    2. T Német, M Neményi, Z Harnos
    A precíziós mezőgazdaság módszertana
    Szeged: JATEPress, 2007
40. C Cabrita, J Botzheim, A E B Ruano, L T Kóczy
A Hybrid Training Method for B-spline Neural Networks
IEEE International Symposium on Intelligent Signal Processing (WISP) Faro, CD proc. (2005)
41. B S U Mendis, T D Gedeon, L T Kóczy
Investigation of Aggregation in Fuzzy Signatures
3rd International Conference on Computational Intelligence, Robotics and Autonomous Systems (2005)

2004

42. . T Hartványi, L T Kóczy, P Németh, S Sárszegi, L Tóth
The Set-up and Operation of Intelligent Intermodal Logistics Centres by Telematic Means
International Logistics Congress, Izmir, pp. 169-178. (2004)

43. Szaszkó S, Kóczy L T, Gedeon T D
Népi hiedelemgyűjtemény analízise fuzzy Pseudo-tezaurusszal
II. Magyar Számítógépes Nyelvészeti Konferencia, Szeged, pp. 237-245. (2004)

44. SW Han, HJ Eun, YS Kim, LT Kóczy
A Document Classification Algorithm Using the Fuzzy Set Theory and Hierarchical Structure of Document
In: Antonio Laganà (ed.) Computational Science and Its Applications: ICCSA2004, international conference, Assisi, Italy, May 14-17, 2004, Berlin ; New York: Springer Verlag, 2004. pp. 122-133 (Lecture notes in computer science; 3043-3045-3046.)

45. S Szaszkó, L T Kóczy
What lectures note about, identifying concepts by fuzzy Pseudo-thesaurus
1st IEEE EESTEC Technical Conference, Cosenza, CD proc. (2004)

46. S Szaszkó, L T Kóczy
Identifying Concepts in Folkloristic Corpus by Fuzzy Pseudo-thesaurus
EUROFUSE, Warsaw, pp. 522-532. (2004)

47. S Kovács, L T Kóczy
Application of Interpolation-based Fuzzy Logic Reasoning in Behaviour-based Control Structures
IEEE International Conference on Fuzzy Systems, Budapest, pp. 1543-1548. (2004)

48. P Baranyi, L T Kóczy, T D Gedeon
A Generalized Concept for Fuzzy Rule Interpolation
IEEE T FUZZY SYST 12: (6) 820-837 (2004)
IF: 1.373
Független idéző: 4

    1. T Vetterlein
    Spline interpolation between hyperspaces of convex or fuzzy sets
    Fuzzy Sets and Systems, 157: (18) 2472-2481 (2006)

    2. Z C Johanyák, S Kovács
    A Brief Survey and Comparison on Various Interpolation Based Fuzzy Reasoning Methods
    Acta Polytechnica Hungarica, 1: 61-76 (2006)

    3. Z C Johanyák, D Tikk, S Kovács, K W Wong
    Fuzzy Rule Interpolation Matlab Toolbox – FRI Toolbox
    In: (2006) IEEE International Conference on Fuzzy Systems, 2006.

    4 Z C Johanyák, S Kovács: Fuzzy Rule Interpolation by the Least Squares Method, Proceedings of the 7th International Symposium of Hungarian Researchers on Computational Intelligence, Budapest, pp. 495-506 (2006)

    5. Johanyák Zsolt Csaba
    Fuzzy szabály-interpolációs módszerek és mintaadatok alapján történő automatikus rendszergenerálás
    Ph.D. értekezés, 2007
    Miskolci Egyetem, Hatvany József Informatikai Tudományok Doktori Iskola

49. L T Kóczy
Fuzzy Models and Identification Techniques
2nd International Conference on Artifical Intelligence in Science and Technology, (AISAT) Hobart, pp. 17-24. (2004)

50. L T Kóczy
Fuzzy Logic and Decision Support Systems: New Zealand Summer School of Bioinformatics 2004, lecture notes, pp. 151-167.
(2004)

51. L T Kóczy
Clustering and Modelling: New Zealand Summer School of Bioinformatics 2004, lecture notes, pp. 89-107.
(2004)

52. L Nádai, L T Kóczy, P Várlaki
Optimizing Sampling Time in Single Photon Counting Experiments
IEEE International Conference on Fuzzy Systems, Budapest, pp. 995-1000. (2004)

53. K W Wong, T Gedeon, A Chong, L T Kóczy, R Tay
Fuzzy Signature for Complex Decision Model
1st International Symposium on Computational Intelligence and Industrial Application (ISCIIA) Hainan, CD proc. (2004)

54. K W Wong, T Gedeon, L T Kóczy
Construction of Fuzzy Signature from Data: An Example of SARS Pre-clinical Diagnosis System
IEEE International Conference on Fuzzy Systems, Budapest, pp. 1649-1654. (2004)

55. K P Csányi, L T Kóczy, D Tikk
Umbrella Systems in Telecommunication Supervision Systems
International Conference on Information Technology (ICIT) Istanbul, pp. 299-302. (2004)

56. J Botzheim, L T Kóczy
Model Identification by Bacterial Optimization
5th International Symposium of Hungarian Researchers on Computational Intelligence, Budapest, pp. 91-102. (2004)

    1. A Rahimi-Vahed, A H Mirzaei
    A hybrid multi-objective shuffled forg-leaping algorithm for a mixed-model assembly line sequencing problem
    Computers and Industrial Engineering, 53: (4) pp. 642-666 (2007)

57. J Botzheim, M Drobics, L T Kóczy
Feature selection using bacterial optimization
IPMU Perugia, pp. 797-804. (2004)

58. J Botzheim, C Cabrita, L T Kóczy, A E Ruano
Estimating Fuzzy Membership Functions parameters by the Levenberg-Marquardt Algorithm
IEEE International Conference on Fuzzy Systems, Budapest, pp. 1667-1672. (2004)

    1. Ester Van Broekhoven
    Monotonicity aspects of linguisticfuzzy models
    Disszertáció, 2007.

59. C Cabrita, J Botzheim, A E Ruano, L T Kóczy
Design of B-spline Neural Networks using a Bacterial Programming Approach
IEEE International Joint Conference on Neural Networks, Budapest, pp. 2313-2318. (2004)

2003

60. . T Tari, S Könczöl, L T Kóczy, A Penninger
Fuzzy Control in Multi-Component Energetic Systems
International Fuzzy System Association World Congress (IFSA), Istanbul, pp. 287-292. (2003)

61. M Bulla, P Keresztes, L T Kóczy

Applying soft computing methods for the analysis of environmental processes
IEEE International Conference on Computational Cybernetics,(ICCC) Siófok, pp. 287-291. (2003)

62. L T Kóczy, J Botzheim, A E Ruano, A Chong, T D Gedeon
Fuzzy rule extraction from input/output data
In: P Sincak, J Vascak, K Hirota (ed.) Machine Intelligence Quo Vadis?, Singapore: World Scientific Publisher, 2003. pp. 199-216
Független idézők: 1
1. Németh T, Neményi M, Harnos Zs
A precíziós mezőgazdaság módszertana
JATEPress, MTA TAKI,Szeged, 2.fejezet (2007)

63. L T Kóczy
A comparison of various soft computing techniques in model identification of high complexity systems
International Conference on Intelligent Control Systems and Signal Processing, (ICONS IFAC) Faro, pp. 593-600. (2003)

64. K W Wong, A Chong, T D Gedeon, L T Kóczy, T Vámos
: Hierarchical fuzzy signature structure for complex structured data
International Symposium on Computational Intelligence and Intelligent Informatics (ISCIII), Nabeul, pp. 105-109. (2003)

65. I Harmati, L T Kóczy
On a new conception of derivatives for fuzzy functions
IEEE International Conference on Computational Cybernetics, (ICCC) Siófok, pp. 189-192. (2003)

66. D Tikk, L T Kóczy, T D Gedeon
On Fuzzy Controllers Having Radial Basis Transfer Function: Soft Computing in Measurement and Information Acquisition, Studies in Fuzziness and Soft Computing
In: L Reznik, V Kreinovich (ed.) Soft Computing in Measurement and Information Acquisition, Studies in Fuzziness and Soft Computing, Berlin: Springer Verlag, 2003. pp. 164-177

67. D Tikk, L T Kóczy, T D Gedeon
A survey on the universal approximation and its limits in soft computing techniques
INT J APPROX REASON 33: 185-202 (2003)
IF: 0.536
Független idéző: 14
1. C A Hilbard
Towards the accuracy of cybernetic strategy planning models: Causal proof and function approximation
Journal of Systemics, Cybernetics and Informatics, 1: 7-p (2003)
2. P Baguley, T Shaik, J Fresco - D J Stockton
Cost modelling with fuzzy logic
In: 20th International Manufacturing Conference Knowledge Driven Manufacturing, (IMC 20) Cork , CD proc, 2003.
3. Beiu V, A Zawadzki
Why VLSI/NANO library design should use Kolmogorov's superpositions
In: Nano and Giga Challenges in Microelectronic (NGCM), Krakow, 2004. 36p
4. K Svancara
Adaptive Optimal Controller with Idenfification Based on Neural Networks
2004. (Disszertáció, PhD)
5. X -J Zeng, J A Keane
Approximation Capability Analysis of Hierarchical Takagi-Sugeno Fuzzy Systems

In: IEEE International Conference on Fuzzy Systems, Budapest, 2004. 1227-1232

6. Beiu V, A Zawadski
On Kolmogorov s superpositions: Novel gates and circuits for nanoelectronics
In: Int. Joint Conf. on Neural Networks (IJCNN'5) Montreal, 2005. 651-656
7. Belic A, Grabnar I, Belic I, Karba R, Mrhar A
Predicting the anti-hypertensive effect of nitrendipine from plasma concentration profiles using artificial neural networks
Computers in Biology and Medicine, 35: 892-904 (2005)
8. K K Ang, C Quek
Stock Trading using PSEC and RSPOP: A novel evolving rough set-based neuro-fuzzy approach
In: IEEE Congress on Evolutionary Computation, (CEC) Edinburgh, 2005. 1032-1039
9. K K Ang, C Quek
RSPOP: Rough Set-Based Pseudo Outer-Product Fuzzy Rule Identification Algorithm
Neural Computation, 17: 205-243 (2005)
10. Wan F, Shang H L, Wang L X, Sun Y X
How to determine the minimum number of fuzzy rules to achieve given accuracy: a computational geometric approach to SISO case
Fuzzy Sets and Systems, 150: 199-209 (2005)
11. Belic I
Neural networks and modelling in vacuum science
Vacuum, 80: 1107-1122 (2006)
12. H Huang, M Pasquier, C Quek
Optimally Evolving Irregular-Shaped Membership Functions for Fuzzy Systems
In: 2006 IEEE Congress on Evolutionary Computation, Vancouver, CD proc, 2006.
13. K K Ang, C Quek
Rough set-based neuro-fuzzy system
In: 2006 IEEE Congress on Evolutionary Computation, Vancouver, CD proc, 2006.
14 K Basterretxea, J M Tarela, I del Campo, G Bosque: An experimental study on nonlinear function computation for neural/fuzzy hardware design, IEEE Transactions on Neural Networks 18 (1) 266-283 (2007)

68. C Cabrita, J Botzheim, A E Ruano, L T Kóczy
Genetic programming and bacterial algorithm for neural networks and fuzzy systems design
International Conference on Intelligent Control Systems and Signal Processing (ICONS IFAC), Faro, pp. 500-505. (2003)
69. A Chong, T D Gedeon, S Kovacs, L T Kóczy
Sparse fuzzy systems generation and fuzzy rule interpolation: a practical approach
IEEE International Conference on Fuzzy Systems, (FUZZ-IEEE), St. Louis, Missouri, pp. 494-499. (2003)
70. A Chong, T D Gedeon, L T Kóczy
Hierarchical Fuzzy Modelling
International Fuzzy System Association World Congress (IFSA) Istanbul, pp. 236-240. (2003)
71. A Chong, T D Gedeon, L T Kóczy
Hierarchical Fuzzy Classifier for Bioinformatics Data
Seventh International Symposium on Signal Processing and its Applications, Paris, CD proc. (2003)
72. A Chong, T D Gedeon, L T Kóczy
Feature Selection for Clustering Based Fuzzy Modelling

IEEE International Symposium on Computational Intelligence for Measurement Systems and Applications, Lugano, CD proc. (2003)

2002

73. . Tikk D, Joo I, Koczy L T, Varlaki P, Moser B, Gedeon T D
Stability of interpolative fuzzy KH controllers
FUZZY SET SYST 125: 105-119 (2002)
IF: 0.550
    1. Johanyák Zsolt Csaba
    Fuzzy szabály-interpolációs módszerek és mintaadatok alapján történő automatikus rendszergenerálás
    Ph.D. értekezés, 2007
    Miskolci Egyetem, Hatvany József Informatikai Tudományok Doktori Iskola

74. Muresan L, Kóczy LT, Hirota K
Similarity in hierarchical fuzzy rule-base systems
IEEE World Congress on Computational Intelligence, Honolulu, pp. 746-751. (2002)
75. LT Kóczy, KP Csányi
A brief overview of fuzzy logic and fuzzy control, In Information Technology
In: J Kacprzyk (ed.) Information Technology, Warszava: Akademica Oficyna Wydawnicza Exit, 2002. pp. 131-150
76. L T Kóczy, L Muresan
Interpolation in hierarchical rule-bases with normal conclusions
International Conference on Fuzzy Systems, Calcutta, pp. 34-39. (2002)
Független idéző: 2
    1. J K Tar, A L Bencsik
    Integration of soft computing and fractional derivatives in adaptive control
    COMPUT INFORM, 24: (6) 603-616 (2005)
    2. J K Tar, A L Bencsik
    Fractional Order Adaptive Control for Hydraulic Differential Cylinders
    In: IEEE 3rd Conference on Computational Cybernetics, (ICCC) Mauritius, CD proc, 2005.
77. L T Kóczy, L Muresan, K Csányi, K Hirota
Interpolation in hierarchical rule bases
Sixth International Conference on Neural Networks and Soft Computing, Zakopane, pp. 48-53. (2002)
78. L T Kóczy, J Botzheim
Hierarchical interpolative fuzzy model identification
18th Hungarian-Korean Seminar, Budapest, pp. 17-27. (2002)
79. L T Kóczy, T D Gedeon, J A Kóczy
Fuzzy tolerance relations and relational maps applied to information retrieval
FUZZY SET SYST 123: 49-61 (2002)
IF: 0.550
Független idéző: 1
    1. S M Chen, Y J Horng, C H Lee
    Fuzzy information retrieval based on multi-relationship fuzzy concept networks
    Fuzzy Sets and Systems, 140: 183-205 (2003)
    2. J.M.C. Sousa, J. M. Gil, J. R. C. Pinto

Word Indexing of Ancient Documents Using Fuzzy Classification
IEEE Transactions on Fuzzy Systems, 15/5 852-862 (2007)

80. L T Kóczy, J Botzheim
Fuzzy rule base model identification techniques
3rd International Symposium of Hungarian Researchers on Computational Intelligence, Budapest, pp. 13-24. (2002)
    1. Johanyák Zsolt Csaba
    Fuzzy szabály-interpolációs módszerek és mintaadatok alapján történő automatikus rendszergenerálás
    Ph.D. értekezés, 2007
    Miskolci Egyetem, Hatvany József Informatikai Tudományok Doktori Iskola

81. J Botzheim, L T Kóczy, A E Ruano
Extension of the Levenberg-Marquardt algorithm for the extraction of trapezoidal and general piecewise linear fuzzy rules
IEEE World Congress on Computational Intelligence, WCCI 2002, Honolulu, pp. 815-819. (2002)
    1. H Wang, J Xiao, S Yan
    Recent Research and Development on Fuzzy System Identification
    Information and Control (Shenyang), 33: (4) pp. 445-450 (2004)

82. J Botzheim, B Hámori, L T Kóczy, A E Ruano
Bacterial algorithm applied for fuzzy rule extraction
International Conference on Information Processing and Management of Uncertainty in Knowledge-based Systems, (IPMU) Annecy, pp. 1021-1026. (2002)

83. D Tikk, I Joó, L T Kóczy, P Várlaki, B Moser, T D Gedeon
Stability of interpolative fuzzy KH controllers
INT J UNCERTAIN FUZZ 125: 105-119 (2002)
IF: 0.271
Független idéző: 9
    1. S Dale, A Bara
    Solutions for Implementation of Interpolative Methods Based on Rules in Control Structures: elektronikus folyóirat
    ACAM Review Cluj-Napoca: (2004)
    2. S Kovács
    Interpolation-based Fuzzy Reasoning as an Application Oriented Approach
    In: 5th International Symposium of Hungarian Researchers on Computational Intelligence, Budapest, 2004. 359-370
    3. B Bede, H Nobuhara, I J Rudas, K Hirota
    Shepard approximation of fuzzy input fuzzy output functions
    In: 3rd Slovak-Hungarian Symposium on Applied Machine Intelligence (SAMI), Herlany, 2005. 115-121
    4. B Bede, H Nobuhara, J Fodor, K Hirota
    Max-product Shepard approximation operators
    In: 3rd Serbian-Hungarian Joint Symposium on Intelligent System (SISY), Subotica, 2005. 101-108
    5. S Kovács
    Interpolation-based Fuzzy Reasoning as an Application Oriented Approach

Acta Polytechnica Hungarica, 1: 93-107 (2005)

6. T Vetterlein, M Stepnicka
   Completing fuzzy if-then rule bases by means of smoothing splines,
   In: Research report No. 60, Institute for Research and Applications of Fuzzy Modeling, University of Ostrava, 2005.
7. Z C Johanyák, S Kovács
   A Brief Survey and Comparison on Various Interpolation Based Fuzzy Reasoning Methods
   In: 6th Int. Symp. Of Hungarian Researchers on Computational Intelligence (HUCI) Budapest, 2005. 323-664
8. T Vetterlein, M Stepnicka
   Completing fuzzy if-then rule bases by means of smoothing splines
   International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 14: 235-244 (2006)
9. Z C Johanyák, S Kovács
   A Brief Survey and Comparison on Various Interpolation Based Fuzzy Reasoning Methods
   Acta Polytechnica Hungarica, 2006: (1) 61-76 (2006)

84. D Tikk, Gy Bíró, T D Gedeon, L T Kóczy, J D Yang
    Improvements and critique on Sugeno s and Yasukawa s qualitative modeling
    IEEE T FUZZY SYST 10: (5) 596-606 (2002)
    IF: 1.324
    Független idéző: 12
    1. Y W Teng
       New GA-Based Fuzzy Modeling Approaches to Function Approximation
       111 p. 2003. (Disszertáció, PhD)
    2. A Chong
       Constructing Sparse and Hierarchical Fuzzy Rulebases
       180 p. 2004. (Disszertáció, PhD)
    3. H Li, H S Dick, W Pedrycz
       Similarity Confidence Level for Fuzzy Rulebases
       In: Fuzzy sets in the heart of the canadian rockies, (NAFIPS) Banff, 2004. 882-887
    4. J K Tar, I J Rudas, J F Bitó
       Comparison of the operation of the centralizd and the decentralized variants of a soft computing based adaptive control
       In: Budapest Tech Polytechnical Institution's Jubilee Conference 1879-2004, Budapest, 2004. 331-342
    5. J K Tar, I J Rudas, Á Szeghegyi, K Kozlowski
       Adaptive control of a dynamic system having unmodeled and unconstrained internal degree of freedom
       In: 4th International Workshop on Robot Motion and Control (RoMoCo'04) Puszczykowo, 2004. 41-46
    6. K Tar, I J Rudas, Á Szeghegyi, K Kozlowski
       Adaptive controlof a wheel of unmodeled internal degree of freedom
       In: 2nd Slovakian-Hungarian Joint Symposium on Applied Machine Intelligence (SAMI) Herlany, 2004. 289-300
    7. K W Wong, Y S Ong, H Eren, C C Fung
       Hybrid fuzzy modeling using memetic algorithm for hydrocyclone control
       In: International Conference on Machine Learning and Cybernetics, Shanghai (2004), 2004. 4188-4193

8. K Yamamoto, T Furuhashi, T Yoshikawa
   A Proposal of Visualization Method for Obtaining Interpretable Fuzzy Rules
   In: 2004 IEEE International Conference on Fuzzy Systems, Budapest, 2004. 1013-1018
9. M Rebolledo
   Situation-based Process Monitoring in Complex Systems Considering Vagueness and Uncertainty
   139 p. 2004. (Disszertáció, PhD)
10. J K Tar, A L Bencsik
    Integration of soft computing and fractional derivatives in adaptive control
    Computing and Informatics, 26: (6) 603-616 (2005)
11. J K Tar, L A Bencsik
    Fractional Order Adaptive Control for Hydraulic Differential Cylinders
    In: IEEE 3rd Conference on Computational Cybernetics, (ICCC) Mauritius, CD proc, 2005.
12. H Li, S Dick
    A similarity measure for fuzzy rulebases based on linguistic gradients
    Information Sciences, 176: (20) 2960-2987 (2006)
13 S Dick, A Schenker, W Pedrycz, A Kandel: Regranulation: A granular algorithm enabling communication between granular worlds, Informatic Sciences 177 (2) 408-435 (2007)

85. A E Ruano, C Cabrita, J V Oliveira, L T Kóczy
    Supervised training algorithms for B-spline neural networks and neuro-fuzzy systems
    INT J SYST SCI 33: (8) 689-711 (2002)
    IF: 0.305
86. A Chong, TD Gedeon, LT Kóczy, KW Wong
    Subspace identification with cylindricity-based clustering for hierarchical fuzzy system construction
    AUST J INTELL INFORM PROCCESS SYST 7: (2) 11-20 (2002)
87. A Chong, T D Gedeon, L T Kóczy
    On the automatic construction of hierarchical fuzzy systems using a binary interclass separability criterion
    Soft Computing and Intelligent Systems and The 3rd International Symposium on Advanced Intelligent Systems, (SCIS & ISIS) Tsukuba, CD proc. (2002)
88. A Chong, T D Gedeon, L T Kóczy, K W Wong
    Development of a hierarchical fuzzy rule base for petroleum data
    1st International Conference on Fuzzy Systems and Knowledge Discovery, (FSKD) Singapore, pp. 13-17. (2002)
89. A Chong, TD Gedeon, LT Kóczy
    A projection based method for sparse fuzzy system generation
    In: N Mastorakis, V Mladenov (ed.) Recent advances in computers, computing and communications, s.l.: WSEAS Press, 2002. pp. 321-325
    1. Johanyák Zsolt Csaba
       Fuzzy szabály-interpolációs módszerek és mintaadatok alapján történő automatikus rendszergenerálás
       Ph.D. értekezés, 2007
       Miskolci Egyetem, Hatvany József Informatikai Tudományok Doktori Iskola

90. A Chong, T D Gedeon, L T Kóczy
    A hybrid approach for solving the cluster validity problem
    14th International Conference on Digital Signal Processing, Santorini, pp. 1207-1210. (2002)

2001

91. . Y Yam, L T Kóczy
Fuzzy interpolation with cartesian representation and extensibility functions
9th IFSA World Congress, Vancouver, pp. 2852-2857. (2001)

92. Wong K W, Koczy L T, Gedeon T D, Chong A, Tikk D
Improvement of the cluster searching algorithm in Sugeno and Yasukawa's qualitative modeling approach
(2001)

93. T Vámos, L T Kóczy, Gy Biro
Fuzzy Signatures in data mining
9th IFSA World Congress, Vancouver, pp. 2842-2846. (2001)

94. T D Gedeon, L T Kóczy, K W Wong, P Liu
Effective fuzzy systems or complex structured data
IASTED Internat. Conference, Control and Applications, Banff, pp. 184-187. (2001)

95. L T Kóczy
Interpolation in sparse fuzzy rule bases
10th International Conference on System-Modelling-Control, Zakopane, pp. 29-30. (2001)

96. L T Kóczy, D Tikk, L Muresan
Fuzzy systems with interpolation
9th IFSA World Congress and 20th NAFIPS International Conference (IFSA NAFIPS) Vancouver, pp. 2494-2498. (2001)
Független idéző: 1

    1. A Chong
    Constructing Sparse and Hierarchical Fuzzy Rulebases
    2004. (Disszertáció, PhD)

97. K W Wong, D Tikk, T D Gedeon, L T Kóczy
Improvement of the cluster searching algorithm in Sugeno and Yasukawa’s qualitative modeling approach
LECT NOTES COMPUT SCI 2206: 536-549 (2001)
IF: 0.415
Független idéző: 2

    1. S Khor
    An experimental study of a fuzzy rules reduction method using the Sugeno and Yasukawa's qualitative modelling
    In: Int. Conf. on Fuzzy Information Processing Theories and Applications (FIP), Beijing, 2003. 461-466

    2. Johanyák Zsolt Csaba
    Fuzzy szabály-interpolációs módszerek és mintaadatok alapján történő automatikus rendszergenerálás
    Ph.D. értekezés, 2007
    Miskolci Egyetem, Hatvany József Informatikai Tudományok Doktori Iskola

98. J Botzheim, B Hámori, L T Kóczy
Extracting trapezoidal membership functions of a fuzzy rule system by bacterial algorithm
LECT NOTES COMPUT SCI 2206: 218-227 (2001)
IF: 0.415

1. Johanyák Zsolt Csaba
   Fuzzy szabály-interpolációs módszerek és mintaadatok alapján történő automatikus rendszergenerálás
   Ph.D. értekezés, 2007
   Miskolci Egyetem, Hatvany József Informatikai Tudományok Doktori Iskola
2. Németh Tamás, Neményi Miklós, Harnos Zsolt
   A precíziós mezőgazdaság módszertana
   Szeged, JATEPress, 2007.
3. Mikéné Hegedűs Friderika
   A fuzzy logika és a neurális hálók alkalmazása a precíziós növénytermelés adatbázisának értékelésében
   Disszertáció, 2006.
4. Y R Sarabia, M M G Lorenzo, R B Perez, R J F Martinez
   Extending CBR-ANN Hybrid Models Using Fuzzy Sets
   International Conference on Neural Networks and Brain, ICNN&B 2005 Kína, Beijing, 2005 pp. 1755-1760.

99. D Tikk, Gy Biró, L T Kóczy, T D Gedeon, K W Wong
    Notes on Sugeno and Yasukawa's fuzzy modelling approach
    9th IFSA World Congress and 20th NAFIPS International Conference (IFSA NAFIPS) Vancouver, pp. 2836-2841. (2001)
100. D Tikk, T D Gedeon, L T Kóczy, Gy Bíró
     Implementation details of problems in Sugeno and Yasukawa s qualitative modelling: Research Working Paper RWP IT/01/02, Division of Business, Information Technology and Law, Murdoch University, Perth
     (2001)
     1. Johanyák Zsolt Csaba
        Fuzzy szabály-interpolációs módszerek és mintaadatok alapján történő automatikus rendszergenerálás
        Ph.D. értekezés, 2007
        Miskolci Egyetem, Hatvany József Informatikai Tudományok Doktori Iskola

101. D Tikk, L T Kóczy, T D Gedeon
     A survey on the universal approximation and it limits in soft computing techniques: Research Working Paper, IT/01/01, Division of Business, Information Technology and Law, Murdoch University, Perth
     (2001)
102. A Penninger, T Tari, S Könczöl, L T Kóczy, P Várlaki
     Fuzzy modelling in energetic
     9th IFSA World Congress, Vancouver, pp. 2847-2851. (2001)
103. A E Ruano, C Cabrita, J V Oliveira, D Tikk, L T Kóczy
     Supervised training algorithms for B-spline neural networks and fuzzy systems
     9th IFSA World Congress and 20th NAFIPS International Conference (IFSA NAFIPS) Vancouver, pp. 2830-2835. (2001)
104. A E Ruano, C Cabrita, J V Oliveira, L T Kóczy
     Completely supervised tranining algorithms for B-spline neural networks and neuro-fuzzy systems
     IFAC Conference on New Technologies for Computer Control (NTCC) Hong-Kong, CD proc. (2001)

105. A Chong, T D Gedeon, K W Wong, L T Kóczy
A histogram-based rule extraction technique for fuzzy systems
10th IEEE International Fuzzy Systems Conference, Melbourne, (2001)

2000

106. . Y Yam, L T Kóczy
Representing membership functions as points in high-dimensional spaces for fuzzy interpolation and extrapolation
IEEE T FUZZY SYST 8: (6) 761-772 (2000)
IF: 1.873
Független idéző: 9

1. C Lucas, D Shahmirzadi
An interpolative fuzzy inference procedure using least-square principle
Control and Intelligent Systems, 31: (1) 30-36 (2003)
2. C Lucas, D Shahmirzadi, A Fateh i, M M Tkamai
Implementation of a genetically optimized interpolative fuzzy inference engine in controlling a ball-plate laboratory setup
In: ASME Design Engineering Technical Conference, Chichago, 2003. 1749-1758
3. M He, H -F Leung, N R Jennings
A Fuzzy-Logic Based Bidding Strategy for Autonomous Agents in Continuous Double Auctions
IEEE T KNOWL DATA EN, 15: (6) 1345-1363 (2003)
4. A Chong
Constructing Sparse and Hierarchical Fuzzy Rulebases
180 p. 2004. (Disszertáció, PhD)
5. M He, N R Jennings
Designing a Successful Trading Agent: A Fuzzy Set Approach
IEEE T FUZZY SYST, 12: (3) 389-409 (2004)
6. Z Huang, Q Shen
Scale and Move Transformation-Based Fuzzy Interpolative Reasoning: A Revisit
In: IEEE International Conference on Fuzzy Systems, Budapest, 2004. 623-628
7. Z Huang, Q Shen
Transformation based interpolation with generalized representative values
In: IEEE International Conference on Fuzzy Systems, Reno, 2005. 821-826
8. Z C Johanyák, S Kovács
A Brief Survey and Comparison on Various Interpolation Based Fuzzy Reasoning Methods
ACTA POLYTECH HUNG, 1: 61-76 (2006)
9. Z H Huang, Q Shen
Fuzzy interpolative reasoning via scale and move transformations
IEEE T FUZZY SYST, 14: (2) 340-359 (2006)

107. Tikk D, Kóczy LT, Gedeon TD
General KH-controllers are radial basis function interpolators
7th International Conference on Neural Information Processing (ICONIP), Taejon, pp. 1148-1151. (2000)

108. P Baranyi H Sakuragi, M Sugiyama, L T Kóczy
Multi dimensional linear revision principle for the generalised fuzzy rule interpolation
Iizuka, pp.1-15. (2000)

109. P Baranyi, L T Kóczy
Saving calculation in Information Retrieval
In: P M Larsen, J Kacprzyk (ed.) Flexible Query Answering Systems, Heidelberg: Physica Verlag, 2000. pp. 337-349

110. P Baranyi, P Várlaki, LT Kóczy
Complexity reduction in a fuzzy controlled automatic guided vehicle
In: J Bokor, E Nándori, P Várlaki (ed.) Studies in Vehicle Engineering and Transportation Science: a Festschrift in honor of Professor Pál Michelberger on occasion of his 70th birthday, Budapest: Hungarian Academy of Sciences, 2000. pp. 199-213

111. P Baranyi, D Tikk, T D Gedeon, L T Kóczy
α-cut interpolation technique in the space of regular conclusion
9th IEEE International Conf. On Fuzzy Systems, San Antonio, pp. 478-482. (2000)
Független idéző: 1

1. B Bouchon-Meunier, D Dubois, C Marsala, H Prade, L Ughetto
A comparative view of interpolation methods between sparse fuzzy rules
In: Joint 9th IFSA World Congress and 20th NAFIPS International Conference (IFSA NAFIPS) Vancouver, 2001. 2499-2504

112. LT Kóczy, D Tikk, TD Gedeon
On functional equivalence of certain fuzzy controllers and RBF type approximation schemes
INT J FUZZY SYST 1: (3) 164-175 (2000)
Független idéző: 6

1. J Abonyi, H Roubos
Structure identification of fuzzy classifiers
In: 5th Online World Conference on Soft Computing in Industrial Applications (WSC5), 2000.
2. J Abonyi, F Szeifert
Computational intelligence in data mining
In: 2nd International Symposium of Hungarian Researchers on Computational Intelligence, Budapest, 2001. 137-151
3. J Abonyi, H Roubos, F Szeifert
Data-driven generation of compact, accurate, and linguistically-sound fuzzy classifiers based on a decision-tree initialization
INT J APPROX REASON, 32: 1-21 (2003)
4. E Lughofer, E P Klement
FLEXFIS:A Variant for Incremental Learning of Takagi-Sugeno Fuzzy Systems
In: IEEE International Conference on Fuzzy Systems (FUZZ-IEEE), Reno, 2005. 915-920
5. J Abonyi, B Feil, A Abraham
Computational intelligence in data mining
Informatica, 29: (1) 3-12 (2005)
6. T Vetterlein
Spline interpolation between hyperspaces of convex or fuzzy sets
FUZZY SET SYST, 157: (18) 2472-2481 (2006)

113. L T Kóczy, D Tikk, T D Gedeon
On fuzzy rule interpolation and radial basis functions: Research Working Paper RWP-IT-01-2000, School of Information Technology, Murdoch University, Perth
(2000)

114. L T Kóczy, D Tikk, T D Gedeon

On fuzzy controllers implementing RBF approximation scheme
In: P Sincak, J Vascak (ed.) Quo Vadis Computational Intelligence?, Heidelberg: Physica Verlag, 2000. pp. 464-478

115. L T Kóczy, K Hirota, L Muresan
Interpolation in hierarchical fuzzy rule Bases
IEEE Int. Conf. on Fuzzy Systems, San Antonio, pp. 471-477. (2000)
Független idéző: 1

1. O Kaynak, K Jezernik, Á Szeghegyi
   Complexity reduction of rule based models: A survey
   In: Int. Conf. on Fuzzy Systems (FUZZ IEEE'02), Honolulu, 2000. 1213-1221

116. L T Kóczy, K Hirota, T D Gedeon
Fuzzy rule interpolation by the conservation of relative fuzziness
J ADV COMPUT INTELL 4: (1) 95-101 (2000)
Független idéző: 1

1. Z C Johanyák, D Tikk, S Kovács, K W Wong
   Fuzzy Rule Interpolation Matlab Toolbox - FRI Toolbox
   In: IEEE International Conference on Fuzzy Systems, Vancouver, CD proc, 2006.
2. Johanyák Zsolt Csaba
   Fuzzy szabály-interpolációs módszerek és mintaadatok alapján történő automatikus rendszergenerálás
   Ph.D. értekezés, 2007
   Miskolci Egyetem, Hatvany József Informatikai Tudományok Doktori Iskola

117. L T Kóczy, D Tikk
Fuzzy rendszerek
Budapest: Typotex Kiadó, 2000.
Független idéző: 13

1. N Bronstejn, K A Szemengyajev, G Musiol, H Mühlig
   Matematikai kézikönyv
   Budapest: Typotex Kiadó, 2000.
2. Detrekői Á, Szabó Gy
   Térinformatika
   2002.
3. Bognár K
   Mesterséges Intelligencia: Kossuth Lajos Tudományegyetem, egyetemi jegyzet
   2004.
4. Z C Johanyák, S Kovács
   A fuzzy tagsági függvény megválasztásáról
   A GAMF Közleményei, 19: 73-84 (2004)
5. B Kulcsár, T Bécsi, I Varga
   Estimation of dynamic origin destination matrix of traffic systems
   Periodica Polytechnica Ser. Transp. Eng, 33: 3-14 (2005)
6. Gopcsa G
   A fuzzy logika alkalmazási lehetőségei a biztosítási logikában
   2005. (Disszertáció, Diplomadolgozat)
7. K Nagy, V Vujicic
   Application of stochastic adding A/D conversion in adaptive measurement and fuzzyfication

In: 3rd Serbian-Hungarian Joint Symposium on Intelligent System (SISY) Subotica, 2005. 191-199

8. Z C Johanyák, S Kovács
   Distance based similarity measures of fuzzy sets
   In: 3rd Slovakian-Hungarian Joint Symposium on Applied Machine Intelligence (SAMI) Herlany, 2005. 265-276
9. Z C Johanyák, S Kovács
   Interpolation-based fuzzy reasoning – a comparison
   In: Int. Conf of MicroCAD Miskolc, 2005. 189-194
10. Mikéné Hegedűs F
    A fuzzy logika és a neurális hálók alkalmazása a precíziós növénytermelés adatbázisának értékelésében, Ph.D. értekezés
    2006. (Disszertáció, PhD)
11. Németh T, Neményi M, Harnos Zs
    A precíziós mezőgazdaság módszertana
    JATEPress –MTA TAKI, 2. fejezet Szeged 2007
12. Tick József
    P-gráf alapú workflow modellezés fuzzy kiterjesztéssel, Doktori (Ph.D. értekezés)
    Pannon Egyetem, Műszaki Informatikai Kar, Informatikai Tudományok Doktori Iskola 2007.
13. Johanyák Zsolt Csaba
    Fuzzy szabály-interpolációs módszerek és mintaadatok alapján történő automatikus rendszergenerálás
    Ph.D. értekezés, 2007
    Miskolci Egyetem, Hatvany József Informatikai Tudományok Doktori Iskola

118. L T Kóczy, D Tikk
A survey of fuzzy interpolation techniques
International Symposium of Hungarian Researchers on Computational Intelligence, Budapest, pp. 5-13. (2000)

119. L T Kóczy, T D Gedeon
A model of intelligent information retrieval using fuzzy tolerance based on hierarchical co-occurence of words
In: F Crestani, G Pasi (ed.) Soft Computing in Information Retrieval, Heidelberg: Physica Verlag, 2000. pp. 48-74

120. H Sakuragi, W K Fung, P Baranyi, S Kovács, M Sugiyama, L T Kóczy
Virtual training in an immersive virtual environment and its complexity
6th International Conference on Soft Computing, Iizuka, CD proc. (2000)

121. D Tikk, P Baranyi, L T Kóczy, T D Gedeon
On a Stable and Always Applicable Interpolation Method
9th IEEE International Conf. On Fuzzy Systems, San Antonio, pp. 1049-1051. (2000)

1999

122. . Y Yam, P Baranyi, D Tikk, L T Kóczy
Eliminating the abnormality problem of a-cut based fuzzy interpolation
IFSA World Congress, Taipei, pp. 762-766. (1999)
Független idéző: 2

1. K W Wong, T D Gedeon, C C Fung

Using modified alpha-cut based fuzzy interpolation in petrophysical properties prediction
In: 4th Japan-Australia Joint Workshop on Intelligent and Evolutionary Systems (JAWIES 2000), Hayama, 2000. 136-142

2. K W Wong, T D Gedeon
Petrophysical properties using self-generating fuzzy rules inference system with modified a-cut based fuzzy interpolation
In: 7th International Conference on Neural Information Processing (ICONIP), Taejon, 2000. 1088-1092

123. Tikk D, Baranyi P, Yam Y, Kóczy LT
On the preservation of piecewise linearity of a modified rule intrepolation approach
SIC-EUROFUSE'99 BUDAPEST, pp. 550-555. (1999)

124. T Vámos, Gy Bíró, L T Kóczy
Fuzzy signatures
SIC-EUROFUSE'99, Budapest, pp. 210-217. (1999)
Független idéző: 2

1. Z Huang, T D Gedeon
Pattern Trees
In: IEEE Congress on Evolutionary Computation, Vancouver, CD proc., 2006.

2. Z Huang, M Nikravesh, B Azvine, T D Gedeon
Weighted Pattern Trees: A Case Study with Customer Satisfaction Dataset
P. Melin et al. (Eds.) 12th IFSA 2007, Cancun, Maxico, pp. 395-406, June 18-21, 2007

125. S Mizik, P Baranyi, P Korondi, L T Kóczy
Widely popular cases of fuzzy rule interpolation techniques
FUZZ-IEEE, Seoul , pp. 389-394. (1999)
Független idéző: 1

1. C Lucas, D Shahmirzadi
An interpolative fuzzy inference procedure using least-square principle
Control and Intelligent Systems, 31: 30-36 (2003)

126. S Mizik, P Baranyi, P Korondi, L T Kóczy
Comparison of fuzzy interpolation techniques
SIC-EUROFUSE'99, Budapest, pp. 544-549. (1999)
Független idéző: 2

1. C Lucas, D Shahmirzadi, A Fatehi, M M Tkamai
Implementation of a genetically optimized interpolative fuzzy inference engine in controlling a ball-plate laboratory setup
In: ASME Design Engineering Technical Conference, 2003. 1749-1758

2. Johanyák Zsolt Csaba
Fuzzy szabály-interpolációs módszerek és mintaadatok alapján történő automatikus rendszergenerálás
Ph.D. értekezés, 2007
Miskolci Egyetem, Hatvany József Informatikai Tudományok Doktori Iskola

127. S Mizik, P Baranyi, P Korondi, L T Kóczy
Comparison of a-cut, modified a-cut, VKK and the general fuzzy interpolation for the widely popular cases of triangular sets
EFDAN'99, Dortmund, pp. 1-7. (1999)

128. S Kovács, LT Kóczy

Application of an approximate fuzzy logic controller in an agv steering system, path tracking and collision avoidance strategy
TATRA MT MATH PUBL 16: 325-338 (1999)

129. P Baranyi, D Tikk, T D Gedeon, L T Kóczy
Transformation of the Alpha-cut Interpolation into the Space of Normal Conclusion
IEEE Int. Conf. on Intelligent Engineering Systems (INES), Stará Lesna, pp. 603-607. (1999)

130. P Baranyi, D Tikk, Y Yam, L T Kóczy
Investigation of a new a-cut based fuzzy interpolation method: Technical Report CUHK–MAE-99-06, Dept. of Mechanical and Automational Eng., The Chinese University Of Hong Kong
(1999)
Független idéző: 4

1. B Bouchon-Meunier, C Marsala, M Rifqi
   Interpolative reasoning based on graduality
   In: 9th IEEE Int. Conf. on Fuzzy Systems (FUZZ-IEEE) San Antonio, 2000. 483-487
2. C Marsala, B Bouchon-Meunier
   Interpolative reasoning with multi-variable rules
   In: Joint 9th IFSA World Congress and 20th NAFIPS International Conference (IFSA/NAFIPS) Vancouver, 2001. 2476-2481
3. L Muresan
   Interpolation in hierarchical fuzzy rule bases
   MFT Periodika, elektronikus folyóirat: (2001)
4. F Esteva, M Rifqi, B Bouchon-Meunier, M Detyniecki
   Similarity-based fuzzy interpolation method
   In: IPMU Perugia, 2004. 1443-1449

131. P Baranyi, D Tikk, Y Yam, L T Kóczy, L Nádai
A new method for avoiding abnormal conclusion for a-cut based rule interpolation
8th IEEE Int. Conf. on Fuzzy Systems (FUZZ-IEEE), Seoul, pp. 383-388. (1999)
Független idéző: 8

1. S Mizik, D Szabó, P Korondi
   Survey on fuzzy interpolation techniques
   In: IEEE Int. Conf. on Intelligent Engineering Systems (INES) Poprad, 1999. 587-592
2. S Mizik
   Fuzzy rule interpolation techniques in comparison
   MFT Periodika, elektronikus folyóirat: (2001)
3. Z Huang, Q Shen
   A New Fuzzy Interpolative Reasoning Method Based on Center of Gravity
   In: 12th International Conference on Fuzzy Systems, 2003. 25-30
4. D -M Huang, E C C Tsang, D S Yeung
   A fuzzy interpolative reasoning method,
   In: International Conference on Machine Learning and Cybernetics, 2004. 1826-1830
5. T J Wang, T Lu, F Li
   Fuzzy Interpolative Reasoning Based on Geometric Similarity
   Computer Science, 31: 169-171 (2004)
6. Z Huang, Q Shen
   Scale and Move Transformation-Based Fuzzy Interpolative Reasoning: A Revisit
   In: IEEE International Conference on Fuzzy Systems, Budapest, 2004. 623-628

7. Y -M Li, Huang D -M -, E C C Tsang, L -N Zhang
   Weighted fuzzy interpolative reasoning method
   In: International Conference on Machine Learning and Cybernetics, (ICMLC), 2005. 3104-3108
8. Z Huang, Q Shen
   Fuzzy interpolative reasoning via scale and move transformations
   IEEE T FUZZY SYST, 14: 340-359 (2006)

132. L T Kóczy, T D Gedeon, J A Kóczy
The construction of fuzzy relational maps in information retrieval
IEEE Int. Conf. on Fuzzy Systems (FUZZ-IEEE), Seoul, pp. 158-163. (1999)

133. L T Kóczy, K Hirota, L Muresan, P Baranyi, D Tikk
Interpolation in hierarchical fuzzy rule bases with sparse meta-levels
IEEE International Conference on Intelligent Engineering Systems (INES), Stará Lesna, pp. 581-585. (1999)

134. L T Kóczy, K Hirota, L Muresan
Interpolation in hierarchical fuzzy rule bases
J INTELL FUZZY SYST 1: (2) 77-84 (1999)
IF: 0.127

135. L Muresan, P Baranyi, P Várlaki, L T Kóczy
Soft computing in intelligent transport systems
EUROFUSE-SIC Budapest, pp. 95-99. (1999)

136. K Chakrabarty, T D Gedeon, L T Kóczy
Intelligent queries using fuzzy relations and bag theory in document collections: IETR99-02, University Of New South Wales, Sydney
(1999)

137. K Chakrabarty, T D Gedeon, L T Kóczy
Analysis of fuzzy relational charts in information retrieval: IETR99-01, University of New South Wales, Sydney
(1999)

138. E P Klement, L T Kóczy, B Moser
Are fuzzy systems universal approximators?
INT J GEN SYST 28: (3) 259-282 (1999)
IF: 0.457
Független idéző: 6

1. L Horváth, J Rudas
   Intelligent computer methods in behavior based engineering modeling
   In: IEEE International Conference on Systems, Man and Cybernetics, 2002. 154-158
2. O Kaynak, K Jezernik, Á Szeghegyi
   Complexity reduction of rule based models: A survey
   In: Int. Conf. on Fuzzy Systems (FUZZ IEEE'02), Honolulu, 2002. 1216-1221
3. G M Dimirovski, S M Desekovski, Z M Gacovski
   Classical and fuzzy-system guidance laws in homing missiles systems
   In: IEEE Aerospace Conference, 2004. 3032-3047
4. R P Paiva, A Dourado
   Interpretability and learning in neuro-fuzzy systems
   FUZZY SET SYST, 147: 17-38 (2004)
5. W T Chen, M Saif

A novel fuzzy system with dynamic rule base
IEEE T FUZZY SYST, 13: 569-582 (2005)

6. I Belic
Neural networks and modelling in vacuum science
VACUUM, 80: (10) 1107-1122 (2006)

139. D Tikk, P Baranyi, Y Yam, L T Kóczy
Stability of a new interpolation method
IEEE International Conference on Systems, Man, and Cybernetics, Tokyo, pp. 7-9. (1999)
Független idéző: 3

1. S Mizik, D Szabó, P Korondi
Survey on fuzzy interpolation techniques
In: IEEE Int. Conf. on Intelligent Engineering Systems (INES) Stara Lesna, 1999. 587-592
2. Z C Johanyák, S Kovács
A Brief Survey and Comparison on Various Interpolation Based Fuzzy Reasoning Methods
ACTA POLYTECH HUNG, 1: 61-76 (2006)
3. Johanyák Zsolt Csaba
Fuzzy szabály-interpolációs módszerek és mintaadatok alapján történő automatikus rendszergenerálás
Ph.D. értekezés, 2007
Miskolci Egyetem, Hatvany József Informatikai Tudományok Doktori Iskola

140. D Tikk, P Baranyi, Y Yam, L T Kóczy
Stability Analysis of an Alpha -cut Based Interpolation Method
IEEE Int. Conf. on Intelligent Engineering Systems (INES) Stará Lesna, pp. 599-601. (1999)

1998

141. Y Yam, L T Kóczy
Cartesian representation for fuzzy interpolation
37th Conference on Decision and Control, Tampa, pp. 2936-2937. (1998)
Független idéző: 2

1. Z Huang, Q Shen
Scale and Move Transformation-Based Fuzzy Interpolative Reasoning: A Revisit
In: IEEE International Conference on Fuzzy Systems, Budapest, 2004. 623-628
2. Z Huang, Q Shen
Fuzzy interpolative reasoning via scale and move transformations
IEEE T FUZZY SYST, 14: (2) 340-359 (2006)

142. T D Gedeon, L T Kóczy
Modelling of complex interconnections between sources of information using fuzzy relations
4th FSTA, Liptószentmiklós, 1 p. (1998)

143. S Mizik, P Baranyi, T D Gedeon, I Nagy, L T Kóczy
Fuzzy rule base interpolation based on semantic revision
IEEE Int. Conf on SMC, San Diego, pp. 1306-1311. (1998)

1. Johanyák Zsolt Csaba
   Fuzzy szabály-interpolációs módszerek és mintaadatok alapján történő automatikus rendszergenerálás
   Ph.D. értekezés, 2007
   Miskolci Egyetem, Hatvany József Informatikai Tudományok Doktori Iskola

144. S Kovács, L T Kóczy
Path tracking and collision avoidance strategy of an AGV implemented on interpolation-based fuzzy logic controller
IEEE International Conf. on Intelligent Engineering Systems (INES) Vienna, pp. 67-72. (1998)

145. S Kovács, L T Kóczy
Fuzzy interpolation-based control of an automatic guided vehicle
World Automation Congress (WAC), Anchorage, pp. 1-6. (1998)

146. S Kovács, P Bikfalvi, L T Kóczy
Application of an interpolation-based fuzzy logic controller in path tracking and collision avoidance strategy of a vehicle
WESIC Girona, pp. 179-183. (1998)

147. S Kovács, L T Kóczy
Application of an approximate fuzzy logic controller in an AGV steering system, path tracking and collision avoidance strategy
4 FSTA Liptószentmiklós, 1 p. (1998)

148. P Kulczycki, L T Kóczy
A fuzzy approach to time-optimal control
World Congress on Computational Intelligence (WCCI), Anchorage, pp. 410-415. (1998)

149. P Baranyi, P Aradi, T D Gedeon, L T Kóczy
Specialized neural network and fuzzy logic algorithm in comparison for word frequency prediction in document filtering
World Congress on Computational Intelligence (IEEE WCCI), Anchorage, pp. 1355-1360. (1998)
Független idéző: 1

1. Y Liu
   Adaptive self-organized maps based on bidirectional approximate reasoning and ist applications to information filtering
   In: Knowledge-Based Systems 19 (8) 2006 719-729

150. P Baranyi, P Aradi, T D Gedeon, L T Kóczy
Specialised neural network for learning synonyms and related concepts in large document collections
Knowledge-Based Intelligent Electronic Systems (KES), Adelaide, pp. 206-212. (1998)

151. P Baranyi, L T Kóczy, T D Gedeon
Improved fuzzy and neural network algorithms for word frequency prediction in document filtering
J ADV COMPUT INTELL 2: (3) 88-95 (1998)
Független idéző: 23

1. D P Filev
   Inversion of Fuzzy Models - Practical Issues
   In: IEEE World Congress on Computational Intelligence, (WCCI FUZZ-IEEE) Anchorage, 1998. 1658-1663
2. A Grauel, A L Ludwig

Construction of differentiable membership functions
FUZZY SET SYST, 101: 219-225 (1999)

3. B Bouchon-Meunier, D Dubois, L Godo, H Prade
Fuzzy sets and possibility theory in approximate and plausible reasoning
In: Fuzzy Sets in Approximate Reasoning and Information Systems, 1999. 15-190
4. G V Kaburlasos, V Petridis
Regression on heterogeneous fuzzy data
In: 7th European Congress on Intelligent Techniques and Soft Computing (EUFIT) Aachen, 1999.
5. F Song, S M Smith
A Simple Weight Based Fuzzy Logic Controller Rule Base Reduction Method
In: IEEE Int. Conf., System Man and Cybernetics, Nashville, 2000. 3794-3798
6. L Zerrouki, B Bouchon-Meunier, R Fondacci
Fuzzy system for air traffic flow management
In: Computing with words in Information/Intelligent systems, 2000. 525-547
7. M F Kawaguchi, M Miyakoshi
A fuzzy rule interpolation technique based on B-splines in multiple input systems
In: IEEE Int. Conf. on Fuzzy Systems, 2000. 488-492
8. Y Jin
Fuzzy modeling of high-dimensional systems: complexity reduction and interpretability improvement
IEEE T FUZZY SYST, 8: 212-221 (2000)
9. A R Várkonyi-Kóczy, K Lei, M Sugiyama, H Asai
Complexity Reduction to Non-singleton Fuzzy-Neural Network
In: 9th IFSA World Congress, Vancouver, 2001. 2523-2528
10. D Tikk
Saturation of α-cut based fuzzy interpolators
Australian Journal of Intelligent Processing Systems, 7: 110-113 (2001)
11. D Tikk, Gy Biró
Sugeno-Yasukawa fuzzy modelling: survey and improvements
In: 2nd International Symposium of Hungarian Researchers on Computational Intelligence, Budapest, 2001. 175-186
12. O Kaynak, Á Szeghegyi
Time-critical Applications Based on Fuzzy Techniques
In: Int. Conf. on Intelligent Eng. Systems (INES), Helsinki, 2001. 61-64
13. O Takács, A R Várkonyi-Kóczy
SVD-based Fuzzy and Neuro Systems for Anytime Applications
In: 2nd International Symposium of Hungarian Researchers on Computational Intelligence, Budapest, 2001. 59-73
14. R Boukezzoula, S Galichet, L Foulloy
Exact Inversion of Takagi-Sugeno Fuzzy Models
In: 9th IFSA World Congress, Vancouver, 2001. 2108-2113
15. S Kovács
SVD Reduction in Continuos Environment Reinforcement Learning
In: International Conference, 7th Fuzzy Days Dortmund, 2001. 719-737
16. A Riid
Transparent Fuzzy Systems: Modeling and Control

2002. (Disszertáció, PhD)

17. C I Siettos, G V Bafas, A G Boudouvis
    Truncated Chebyshev series approximation of fuzzy systems for control and nonlinear systems identification
    FUZZY SET SYST, 126: 89-104 (2002)
18. D Tikk
    Optimal order of convergence for α-cut based fuzzy interpolators
    IOS Press: 105-110 (2002)
19. O Kaynak, K Jezernik, Á Szeghegyi
    Complexity reduction of rule based models: A survey
    In: Int. Conf. on Fuzzy Systems (FUZZ IEEE'02), Honolulu, 2002. 1216-1221
20. O Takács, A R Várkonyi-Kóczy, P Várlaki
    Non exact complexity reduction of generalized neuro-fuzzy networks
    In: 10th IEEE International Fuzzy Systems Conference, Melbourne, 2002. 980-983
21. D Tikk
    Notes on the approximation rate of fuzzy KH-interpolators
    FUZZY SET SYST, 138: 442-453 (2003)
22. P Amato, A D Nola, M Navara
    Criteria that should be satisfied by Mamdani-Assilian controller
    In: International Conference on Fuzzy Information Processing Theories and Applications, Bejing, 2003. 195-198
23. R Boukezzoula, S Galichet, L Foulloy
    Fuzzy Adaptive Linearizing Control for Non-affine Systems
    In: IEEE International Conference on Fuzzy Systems (FUZZ-IEEE), St. Louis, 2003. 543-548

152. P Baranyi, L T Kóczy
Fuzzy rule interpolation with full rule base
4th FSTA Liptószentmiklós, 2 p. (1998)

153. . P Baranyi, A Martinovics, D Tikk, Y Yam, L T Kóczy
Fuzzy rule base reduction for arbitrary inference algoriyhm using singular value decomposition
5th Int. Conf. on Soft Computing and Information/Intelligent Systems, Iizuka, pp. 487-490. (1998)

154. P Baranyi, I M Bavelaar, R Babuska R, L T Kóczy, A Titli, H B Verbruggen
A method to invert a linguistic fuzzy model
INT J SYST SCI 29: (7) 711-721 (1998)
IF: 0.303
Független idéző: 3

1. I Dénes
   Fuzzy controlled resonant DC-DC converters
   In: Annual Conference of the North American Fuzzy Information Processing Society (NAFIPS), 2001. 2206-2211
2. A R Várkonyi-Kóczy, O Takács
   Anytime extension of the iterative fuzzy model inversion
   In: IEEE International Conference on Fuzzy Systems, 2002. 976-979
3. Galichet S, Boukezzoula R, Foulloy L
   Explicit analytical formulation and exact inversion of decomposable fuzzy systems with

singleton consequents
FUZZY SET SYST, 146: 421-436 (2004)

155. Kovács S, Kóczy LT
Interpolation basedfuzzy logic controllers, as a simplified way for constructing the fuzzy rule base of the path tracking and collision avoidance strategy of an AGV
IEEE International Conference on Systems, Man and Cybernetics, San Diego, pp. 1317-1322. (1998)
Független idéző: 3

1. C Lucas, D Shahmirzadi
An interpolative fuzzy inference procedure using least-square principle
Control and Intelligent Systems, 31: 30-36 (2003)
2. C Lucas, D Shahmirzadi, A Fatehi, M M Tkamai
Implementation of a genetically optimized interpolative fuzzy inference engine in controlling a ball-plate laboratory setup
In: ASME Design Engineering Technical Conference, 2003. 1749-1758
3. F Kiasi, C Lucas, A Fazl
An interpolative fuzzy inference using least square principle by means of b-function and high order polynomials
In: IEEE International Conference on Mechatronics and Automation, (ICMA),, 2005. 545-550

156. K Hirota, L T Kóczy
Interpolation in hierarchical fuzzy controllers
4 FSTA Liptószentmiklós, 6 p. (1998)

157. Gedeon DT, Kóczy JA, Kóczy LT
The construction of fuzzy relational maps in information retrieval: IETR 98-01, University of New South Wales, Sydney
(1998)

158. D Tikk, L T Kóczy
The nowhere denseness of Takagi-Sugeno-Kang type fuzzy controllers containing preresticted number of rules
4th Int. Conf. on Fuzzy Sets Theory and its Application (FSTA), Liptószentmiklós, 1 p. (1998)

159. D Tikk, L T Kóczy
Takagi-Sugeno-Kang-type controllers with a bounded number of rules are nowhere dense
Information Processing and Management of Uncertainty (IPMU), Paris, pp. 643-648. (1998)

160. D Tikk, L T Kóczy
Approximation of transfer functions by various fuzzy controllers
In: L Reznik, V Dimitrov, J Kacprzyk (ed.) Fuzzy Systems Design: Social and Engineering Applications, Heidelberg ; New York: Physica Verlag, 1998. pp. 202-224
Független idéző: 1

1. Mikéné Hegedűs F
A fuzzy logika és a neurális hálók alkalmazása a precíziós növénytermelés adatbázisának értékelésében
2006. (Disszertáció, PhD)

161. A Várkonyi, G Péceli, P T Dobrowiecki, T Kovácsházy, L T Kóczy
Iterative fuzzy model inversion
World Congress on Computational Intellligence (WCCI), Anchorage, pp. 561-566. (1998)

162. A Pennineger, L T Kóczy, P Várlaki, L Nádai
Stochastic and fuzzy decision models in energetic
Int. Conf. World Automation Congress, (WAC) Albuquerque, CD proc. (1998)

163. L T Kóczy, T D Gedeon
Conversation of relative fuzziness: an additive strategy
IEEE International Conf. on Intelligent Engineering Systems, (INES) Vienna, pp. 115-119. (1998)

1997

164. . Y Yam, L T Kóczy
Representing membership functions as points in high dimensional spaces for fuzzy interpolation and extrapolation: CUHK-MAE-97-03, Chinese University of Hong Kong (1997)
Független idéző: 15

1. P Baranyi, Y Yam, C T Yang, A R Várkonyi-Kóczy
   Complex Reduction of a rational general form
   In: 8th IEEE Int. Conf. on Fuzzy Systems (FUZZ – IEEE) Seoul, 1999. 366-372
2. Y Yam, P Baranyi, C T Yang
   Reduction of fuzzy rule base via singular value decomposition
   IEEE T FUZZY SYST, 7: 120-132 (1999)
3. D Tikk, P Baranyi
   Comprehensive Analysis of a New Fuzzy Rule Interpolation Method
   IEEE T FUZZY SYST, 8: 281-296 (2000)
4. F Song, S M Smith
   A Simple Weight Based Fuzzy Logic Controller Rule Base Reduction Method
   In: IEEE Int. Conf., System Man and Cybernetics, Nashville, Tennessee, 2000. 3794-3798
5. M F Kawaguchi, M Miyakoshi
   A fuzzy rule interpolation technique based on B-splines in multiple input systems
   In: IEEE Int. Conf. on Fuzzy Systems, 2000. 488-492
6. C Marsala, B Bouchon-Meunier
   Interpolative Reasoning with Multi-Variable Rules
   In: 9th IFSA World Congress, Vancouver, 2001. 2476-2481
7. D Tikk, P Baranyi, T D Gedeon, L Muresan
   Generalization of a rule interpolation method resulting always in acceptable conslusion
   Tatra Mountains Mathematical Publications, 21: 73-91 (2001)
8. H Thiele
   On the uniqueness of interpretations for fuzzy IF-Then rule bases
   In: Computational Intelligence. Theory and Applications, 2001. 506-525
9. O Kaynak, Á Szeghegyi
   Time-critical Applications Based on Fuzzy Techniques Int. Conf. on Intelligent Eng. Systems
   In: (INES) Helsinki, 2001. 61-64
10. P Baranyi
    Complexity Minimization in Rule-base Adaption
    In: 2nd International Symposium of Hungarian Researchers on Computational Intelligence, Budapest, 2001. 153-164

11. D Tikk, T D Gedeon, P Baranyi
A Fuzzy Interpolation Algorithm Closed over CNF Sets
International Journal of Fuzzy Systems, 4: 634-638 (2002)
12. D Tikk, T D Gedeon, K W Wong
A Feature Ranking Algorithm for Fuzzy Modelling Problems
In: Interpretability Issues in Fuzzy Modeling, Studies in Fuzziness and Soft Computing, 2003. 177-192
13. D Tikk
Notes on the approximation rate of fuzzy KH-interpolators
FUZZY SET SYST, 138: 442-453 (2003)
14. S Khor
An experimental study of a fuzzy rules reduction method using the Sugeno and Yasukawa s qualitative modeling
In: International Conference on Fuzzy Information Processing Theories and Applications, I., Bejing,, 2003. 461-466
15. Z C Johanyák, D Tikk, S Kovács, K W Wong
Fuzzy Rule Interpolation Matlab Toolbox – FRI Toolbox
In: 2006 IEEE, International Conference on Fuzzy Systems, Vancouver, 2006.

165. T D Gedeon, Y Huang, P M Wong, L T Kóczy
Maintance of local fuzziness in rule interpolation
IEEE INES Int. Conf., Budapest, 6 p. (1997)

166. T D Gedeon, L T Kóczy
Information retrieval by fuzzy relations and hierarchical co-occurence (Part II.): IETR 97/03, University of New South Wales, Sydney
(1997)

167. T D Gedeon, L T Kóczy
Information retrieval by fuzzy relations and hierarchical co-occurence (Part I.): IETR 97/01, University of New South Wales, Sydney
(1997)

168. T D Gedeon, L T Kóczy
Fuzzy rule interpolation using an additive conservative strategy
EUFIT'97 Int. Conf., Aachen, pp. 910-913. (1997)
Független idéző: 1
1. A Chong
Constructing Sparse and Hierarchical Fuzzy Rulebases
2004. (Disszertáció, PhD)

169. T D Gedeon, K Hirota, L T Kóczy
Fuzzy rule interpolation by conservation of relative fuzziness: TR 97-2, Tokyo Institute of Technology, Yokohama
(1997)
Független idéző: 2
1. D Tikk
Notes on the approximation rate of fuzzy KH-interpolators
FUZZY SET SYST, 138: 442-453 (2003)
2. A Chong
Constructing Sparse and Hierarchical Fuzzy Rulebases
2004. (Disszertáció, PhD)

3. Johanyák Zsolt Csaba
   Fuzzy szabály-interpolációs módszerek és mintaadatok alapján történő automatikus rendszergenerálás
   Ph.D. értekezés, 2007
   Miskolci Egyetem, Hatvany József Informatikai Tudományok Doktori Iskola

170. S Kovács, LT Kóczy
The use of the concept of vague environment in approximate fuzzy reasoning
TATRA MT MATH PUBL 97: (12) 169-181 (1997)

1. Johanyák Zsolt Csaba
   Fuzzy szabály-interpolációs módszerek és mintaadatok alapján történő automatikus rendszergenerálás
   Ph.D. értekezés, 2007
   Miskolci Egyetem, Hatvany József Informatikai Tudományok Doktori Iskola

171. S Kovács, J Cselényi, L Pap, I Ajtonyi, L T Kóczy
Path tracking strategy of the differential steered AGVS implemented on approximate fuzzy logic controller
EUFIT Int. Conf., Aachen, pp. 1438-1442. (1997)

172. S Kovács, J Cselényi, L T Kóczy
Fuzzy logic controlled path tracking strategy of a differential steered AGV
TEMPUS JEP Workshop, Miskolc, 7 p. (1997)

173. S Kovács, L T Kóczy
Approximate fuzzy reasoning based on interpolation in the vague environment of the fuzzy rulebase as a practical alternative of the classical CRI
IFSA Int. Conf., Prague, pp. 144-149. (1997)

174. S Kovács, L T Kóczy
Approximate fuzzy reasoning based on interpolation in the vague environment of the fuzzy rulebase
IEEE INES Int. Conf., Budapest, pp. 63-68. (1997)

175. S Kovács, L T Kóczy
Application of the approximate fuzzy reasoning based on interpolation in the vague environment of the fuzzy rulebase in the fuzzy logic controlled path tracking strategy of differential steered AGVS
In: B Reusch (ed.) Computational Intelligence, Heidelberg: Springer Verlag, 1997. pp. 456-467
Független idéző: 5

1. P Baranyi, A R Várkonyi-Kóczy
   Adaptation of SVD-based fuzzy reduction via minimal expansion
   IEEE Tr. on Instrumentation and Measurement, 51: 222-226 (2002)
2. P Baranyi, Y Yam, Várkonyi-Kóczy A R, R J Patton
   SVD-based reduction to MISO TS models
   IEEE Tr. on Industrial Electronics, 50: 232-242 (2003)
3. P Baranyi, A R Várkonyi-Kóczy, Y Yam –, R J Patton
   Adaptation of TS Fuzzy Models Without Complexity Expansion: HOSVD-Based Approach
   IEEE Tr. and Measurement, 54: 52-60 (2005)
4. R -E Precup, S Preitl
   Stability and Sensitivity Analysis of Fuzzy Contorl Systems. Mechatronics Applications
   ACTA POLYTECH HUNG, 1: 61-76 (2006)

5. Johanyák Zsolt Csaba
   Fuzzy szabály-interpolációs módszerek és mintaadatok alapján történő automatikus rendszergenerálás
   Ph.D. értekezés, 2007
   Miskolci Egyetem, Hatvany József Informatikai Tudományok Doktori Iskola

176. P Baranyi, Y Yam, L T Kóczy
Singular value-based rule reduction with sparse rule base
Automation 2001 Int. Conf., Vienna, pp. 257-263. (1997)

177. P Baranyi, Y Yam, L T Kóczy
Singular value-based fuzzy rule interpolation
IEEE INES Int. Conf., Budapest, pp. 51-56. (1997)

178. P Baranyi, Y Yam, L T Kóczy
Multi-variables singular value based rule interpolation
Int. Conf. on Systems, Man and Cybernetics (IEEE-SMC), Orlando, pp. 1598-1603. (1997)

179. P Baranyi, I Bavelaar, L T Kóczy, A Titli
Inverse rule base of various fuzzy interpolation techniques
7th IFSA World Congress, Prague, pp. 121-126. (1997)
Független idéző: 2

1. R Boukezzoula, S Galichet, L Foulloy
   Nonlinear Internal Model Control: Application of Inverse Model Based Fuzzy Control
   IEEE T FUZZY SYST, 11: 814-829 (2003)
2. S Galichet, R Boukezzoula, L Foulloy
   Explicit analytical formulation and exact inversion of decomposable fuzzy systems with singleton consequents
   FUZZY SET SYST, 146: 421-436 (2004)

180. P Baranyi, L T Kóczy
General revision principle method as a way between the revision principle and the rule interpolation techniques
FUZZ-IEEE Int. Conf., Barcelona, pp. 561-566. (1997)

181. P Baranyi, J Kybic, Y Yam, L T Kóczy
Extension of singular value-based rule base reduction to general fuzzy rule interpolation
TEMPUS JEP Workshop, Miskolc-Budapest, 7 p. (1997)

182. P Baranyi, T D Gedeon, L T Kóczy
A specialised neural network and fuzzy concepts for learning synonyms and related concepts in document collections: IETR 97/05, University of New South Wales, Sydney
(1997)

183. P Baranyi, L T Kóczy
A non-linear fuzzy rule interpolation method where all rules combined by antecedents are given
TEMPUS JEP Workshop, Vienna, 7 p. (1997)

184. L T Kóczy
Various methods for intrepolation in fuzzy rule bases
2nd Int. Symp. of Chonbuk National University Korea Chonju, pp. 194-211. (1997)

185. L T Kóczy
Uncertainty and approximation in models
2nd Int. Symp. of Chonbuk National University Korea, Chonju, pp. 183-193. (1997)

186. L T Kóczy, K Hirota

Size Reduction by Interpolation in Fuzzy Rule Bases
IEEE T SYST MAN CY B 27: 14-25 (1997)
IF: 0.506
Független idéző: 41

1. B -G Hu, G K I Mann, R G Gosine
   Control curve design for nonlinear (or fuzzy) proportional actions using spline-based functions
   AUTOMATICA, 34: 1125-1133 (1998)
2. A Abdennour, F A Alturki
   Rule-based reduction method for Sugeno-type fuzzy systems
   Control and Intelligent Systems, 27: (3) 140-146 (1999)
3. F A Alturki
   A methodology for reducing fuzzy logic systems using modified orthogonal techniques
   International Journal of Engineering Intelligent Systems for Electrical Engineering and Communications, 8: 155-172 (2000)
4. U Bodenhofer
   A similarity-based generalization of fuzzy orderings preserving the classical axioms
   INT J UNCERTAIN FUZZ, 8: 593-610 (2000)
5. K -S Hwang, M -Y Ju
   Rule base refactoring design for fuzzy logic controllers
   INTELL AUTOM SOFT CO, 7: 221-231 (2001)
6. P Baranyi, A R Várkonyi-Kóczy, Y Yam, P Michelberger
   HOSVD based computational complexity reduction of TS fuzzy models
   In: Annual Conference of the North American Fuzzy Information Processing Society (NAFIPS) Vancouver, 2001. 2482-2487
7. O Kaynak, K Jezernik, Á Szeghegyi
   Complexity reduction of rule based models: A survey
   In: Int. Conf. on Fuzzy Systems (FUZZ IEEE'02), Honolulu, 2002. 1216-1221
8. P Baranyi, A R Várkonyi-Kóczy
   Adaptation of SVD-based fuzzy reduction via minimal expansion
   IEEE T INSTRUM MEAS, 51: 222-226 (2002)
9. P Baranyi, D Tikk, A R Várkonyi-Kóczy, Y Yam, I Rudas
   Minimizing TS controller via HOSVD
   In: IEEE International Conference on Fuzzy Systems (FUZZ-IEEE) Honolulu, 2002. 128-133
10. P Baranyi, A R Várkonyi-Kóczy, Y Yam, P Michelberger
    Adaption without rule base size expansion: HOSVD based approach
    In: IEEE Instrumentation and Measurement Technology Conference (IMTC/2002) Anchorage, 2002. 221-226
11. P Baranyi, D Tikk, R J Patton, P Michelberger
    Automatic TS-model representation of analytic differential equations for Tanaka'sLMI based control design
    In: IEEE International Conference on Systems, Man and Cybernetics, Hammamet, 2002. 168-173
12. D Tikk
    Notes on the approximation rate of fuzzy KH-interpolators
    FUZZY SET SYST, 138: 442-453 (2003)
13. D Tikk, S Kovács, T D Gedeon, K W Wong

A feature ranking algorithm for problems with output of contiuous range
In: 1st Slovakian-Hungarian Joint Symposium on Applied Machine Intelligence, (SAMI) Herlany, 2003. 87-103

14. J Balasubramaniam
A Framework for Lossless Rule Reduction in Fuzzy Rule Based Systems
2003. (Disszertáció, PhD)
15. P Baranyi, Y Yam, A R Várkonyi-Kóczy, R J Patton
SVD-based reduction to MISO TS models
IEEE T IND ELECTRON, 50: 232-242 (2003)
16. U Bodenhofer, M D Cock, E E Kerre
Openings and closures of fuzzy preorderings: Theoretical basics and applications to fuzzy rule-based systems
INT J GEN SYST, 32: 343-360 (2003)
17. Z Huang, Q Shen
A New Fuzzy Interpolative Reasoning Method Based on Center of Gravity
In: 12th International Conference on Fuzzy Systems, (FUZZ-IEEE2003) St. Louis, 2003. 25-30
18. Z Zhang, J Chang
A fuzzy control algorithm with high controlling precision
FUZZY SET SYST, 140: 375-385 (2003)
19. A Chong
Constructing Sparse and Hierarchical Fuzzy Rulebases
180 p. 2004. (Disszertáció, PhD)
20. G M Dimirovski, I I Lokevenc, D J Tanevska
Applied adaptive fuzzy-nerual inference models: Complexity and integrity problems
In: 2nd International IEEE Conference Intelligent Systems,, 2004. 42-52
21. G M Dimirovski, S M Desekovski, Z M Gacovski
Classical and fuzzy-system guidance laws in homing missiles systems
In: IEEE Aerospace Conference, 2004. 3032-3047
22. Khor S W, Khan M S, Fung C C
Fuzzy modeling using a simplified rule base
In: IEEE Conference on Cybernetics and Intelligent Systems, 2004. 312-317
23. L Yan, J -P Jiang
Optimization of fuzzy partition based on evolution strategy
Zhongguo Dianji Gongcheng Xuebao/ Proceedings of the Chinese Society of Electrical Engineering, 24: (9) 147-152 (2004)
24. P Baranyi
TP model transformation as a way to LMI-based controller design
IEEE T IND ELECTRON, 51: 387-400 (2004)
25. S Kovács, P Baranyi
Reduction of the Dynamic State-Space in Fuzzy Q-Learning
In: IEEE International Conference on Fuzzy Systems, Budapest, 2004. 1075-1080
26. V G Kaburlasos
Fuzzy Interval Numbers (FINs): Lattice Theoretic Tools for Improving Prediction of Sugar Production from Populations of Measurements
IEEE T SYST MAN CY B, 34: 1017-1030 (2004)
27. Z Huang, Q Shen

Scale and Move Transformation-Based Fuzzy Interpolative Reasoning: A Revisit
In: IEEE International Conference on Fuzzy Systems, Budapest, 2004. 623-628

28. B Liu, J-M He, H-Y Cao
Rebuilding PSG Fuzzy Decision-making System Using SVD Method
Chinese Journal of Scientific Instrument, 13: 103-107 (2005)

29. L Yan, H –, T Zheng, J –, P Jiang
Generation of interpretable fuzzy system based on evolution strategy
Tien Tzu Hsueh Pao/ Acta Electronica Sinica, 33: 70-73 (2005)

30. M K Ciliz
Rule base reduction for knowledge-based fuzzy controllers with application to a vacuum cleaner
EXPERT SYST APPL, 28: 175-184 (2005)

31. P Baranyi, A R Várkonyi-Kóczy, Y Yam, R J Patton
Adaptation of TS Fuzzy Models Without Complexity Expansion: HOSVD-Based Approach
IEEE Tr. on Measurement, 54: (1) 52-60 (2005)

32. Z Huang, Q Shen
Transformation Based Interpolation with Generalized Representative Values
In: IEEE Conference on Fuzzy Systems, (FUZZY-IEEE) Reno, 2005. 821-826

33. T Zhai, B Duan, J Mi
Study and Application of An Interpolation FLC Control Algorithm Based on NTD
Control & Automation, 22: 114-116 (2006)

34. T-S Zhai, B-Y Duan, Y-Y Qui, G-D Chen
Simulation of TDIFLC Algorithm in a Cable-Cabin Positioning System
Computer Simulation, 23: 85-87 (2006)

35. Z C Johanyák, D Tikk, S Kovács, K W Wong
Fuzzy Rule Interpolation Matlab Toolbox – FRI Toolbox
In: IEEE International Conference on Fuzzy Systems, Vancouver, CD proc, 2006.

36. Z Huang, Q Shen
Fuzzy interpolative reasoning via scale and move transformations
IEEE T FUZZY SYST, 14: 340-359 (2006)

37. Z Luo, L Yan, X Zhang
Understandable Knowledge Representation Based on Evolution Fuzzy System
Chinese Journal of Scientific Instrument, 27: 477-480 (2006)

38 S Kim, H Thompson, P Fleming
Active hierarchical fuzzy control for gas turbine altitude relighting using multi-objective optimization, In: Proceedings of the ASME Turbo Expo, (2) 853-861 (2006)

39 L J Chmielewski
Fuzzy histograms, weak fuzzification and accumulation of periodic quantities: Application in two accumulation-based image processing methods In: Pattern Analysis and Applications (9) 2-3 189-210 (2006)

40 P Manley-Cooke, M Razaz
An efficient approach for reduction of membership functions and rules in fuzzy systems
IEEE Conference on Fuzzy Systems, 23-26 July 2007, London pp. 1609-1613.

41. Johanyák Zsolt Csaba
Fuzzy szabály-interpolációs módszerek és mintaadatok alapján történő automatikus

rendszergenerálás
Ph.D. értekezés, 2007
Miskolci Egyetem, Hatvany József Informatikai Tudományok Doktori Iskola

187. L T Kóczy
Interpolation of fuzzy knowledge: a model of human reasoning
IEEE-SMC Int. Conf., Orlando, pp. 2957-2961. (1997)

188. L T Kóczy
Interpolation of fuzzy knowledge, a model of human reasoning: IETR 97/04, University of New South Wales, Sydney
(1997)

189. L T Kóczy, K Hirota
Interpolation in hierarchical fuzzy rule bases with sparse meta-levels: TR 97-3, Tokyo Institute of Technology, Yokohama
(1997)

190. L T Kóczy, A Zorat
Fuzzy systems and approximation
FUZZY SET SYST 85: 203-222 (1997)
IF: 0.346
Független idéző: 7

1. A Nowe
   Sugeno, Mamdani, and fuzzy Mamdani controllers put in a uniform interpolation framework
   INT J INTELL SYST, 13: 243-256 (1998)
2. R Ruelas
   How to choose mmebership functions for fuzzy models in approximation problems
   Computational Intelligence and Applications: 55-60 (1999)
3. P C -L Hui, K C C Chan, K W Yeung, F S -F
   Fuzzy operator allocation for balance control of assembly lines in apparel manufacturing
   IEEE T ENG MANAGE, 49: 173-180 (2002)
4. Tikk D
   Notes on the approximation rate of fuzzy KH interpolators
   FUZZY SET SYST, 138: 442-453 (2003)
5. J J Saade, M Al-Khatib
   Performance measures and preferences for fuzzy controllers design algorithms
   Arabian Journal for Science and Engineering, 29: 155-175 (2004)
6. J J Saade, M Al-Khatib
   Performance measures and preferences for fuzzy controllers design algorithms
   In: Soft Computing with Industrial Applications – 6th Biannual World Automation Congress, 2004. 137-142
7. C –, Y Xu
   Universal approximation of a class of Vague systems
   Jisuanji Xuebao/Chinese Journal of Computers, 28: 1508-1013 (2005)

191. L T Kóczy, J Bagyinszki, J Fodor, S Kovács
Fuzzy logic I-V: Fuzzy Systems. I (Theoretical Foundations),Fuzzy Systems II (Fuzzy Reasoning and Control), Case studies for non-control applications, Laboratory Practice To Fuzzy Systems, Fuzzy Systems I (Alternative) (Theoretical Foundations)
(1997)

192. L C Jain, D Tikk, L T Kóczy
Fuzzy logic in engineering
In: L C Jain (ed.) Soft Computing Techniques in Knowledge-based Intelligent Engineering Systems, Heidelberg: Physica Verlag, 1997. pp. 44-70

193. Kóczy L T
Hierarchikus fuzzy szabályinterpoláció
XXIII. Magyar Operációkutatási Konferencia, Pécs, 1 p. (1997)

194. I Kiss, L Pula, E Balog, I Berta, L T Kóczy
Fuzzy logic in industrial electrostatics
J ELECTROSTAT 40: 561-566 (1997)
IF: 0.373

195. I Joó, D Tikk, P Várlaki, L T Kóczy
Stability of interpolative fuzzy KH-controllers
, Int. Conf. on Fuzzy Systems (FUZZ-IEEE), Barcelona, pp. 93-97. (1997)
Független idéző: 5

1. P Baranyi
Fuzzy információtömörítő eljárások irányítási algoritmusokban
1998. (Disszertáció, PhD)
2. S Mizik, P Baranyi, P Korondi
Comparison of α-cut, modified a-cut, VKK and the general fuzzy interpolation for the widely popular cases of triangular sets
In: 4th European Workshop on Fuzzy Decision Analysis and Recognition Technology (EFDAN) Dortmund, 1999. 165-172
3. S Mizik, D Szabó, P Korondi
Survey on fuzzy interpolation techniques
In: IEEE Int. Conf. on Intelligent Engineering Systems (INES), Stara Lesna,, 1999. 587-592
4. L Muresan
Interpolation in hierarchical fuzzy rule bases
MFT Periodika, elektronikus folyóirat: (2001)
5. S Mizik
Fuzzy rule interpolation techniques in comparison
MFT Periodika, elektronikus folyóirat: (2001)

196. I Joó, P Várlaki, L Nádai, L T Kóczy
On control systems
Automation 2001 Int. Conf., Vienna, (1997)

197. I Joó, D Tikk, P Várlaki, L T Kóczy
On a stable interpolation method
7th IFSA Int. Conf., Prague, pp. 133-137. (1997)

198. I Joó, L T Kóczy, D Tikk, P Várlaki
Interpolative fuzzy KH-controllers are stable interpolators
Int. Conf. on Fuzzy Logic and Applications, Zichron Yaakov, pp. 406-414. (1997)

199. E Balog, L Pula, I Kiss, L T Kóczy, I Berta
Evaluation of Electrostatic Hazards and Determination of Effective Protection Methods Based on Fuzzy Logic
10th International Symposium on High Voltage Engineering, Montreal, 5 p. (1997)

200. D Tikk, L T Kóczy
TS-Controllers with a bounded number of rules are nowhere dense

Int. Conf. on Automation, Vienna , pp. 209-215. (1997)
Független idéző: 1

1. O Kaynak, Á Szeghegyi
   Time-critical applications based on fuzzy techniques
   In: IEEE International Conference on Intelligent Engineering Systems (INES) Helsinki, 2001. 61-64

201. D Tikk, B Moser, L T Kóczy
Stability of interpolative fuzzy KH-controllers multi-dimensional case
TEMPUS Workshop Symposium on System Modeling, Fault Diagnosis and Fuzzy Logic and Control, Budapest- Miskolc, 8 p. (1997)
Független idéző: 1

1. K W Wong, T D Gedeon
   Petrophysical properties using self-generating fuzzy rules inference system with modified a-cut based fuzzy interpolation.
   In: 7th International Conference on Neural Information Processing (ICONIP) Taejon, 2000. 1088-1092

202. Cselényi J, Kovács S, Pap L, Kóczy L T
Vezetőnélküli targoncák klasszikus és közelítő becslésre épülő fuzzy logikai irányítású nyomkövetési stratégiáinak összehasonlítása
MICROCAD, Miskolc, pp. 73-82. (1997)

1996

203. . T D Gedeon, S Singh, R A Bustos, L T Kóczy
Fuzzy relevance values for information retrieval and hypertext link generation
EUFIT Int. Conf., Aachen, pp. 826-830. (1996)

204. T D Gedeon, L T Kóczy
Conservation of fuzziness in rule interpolation
Intelligent Technologies, International Symposium on New Trends in Control of Large Scale Systems, Herlany, pp. 13-19. (1996)
Független idéző: 6

1. M L Wong, Y Yam, P Baranyi
   Representing membership functions as elements in function space
   In: American Control Conference, 2001. 1922-1927
2. D Tikk
   Notes on the approximation rate of fuzzy KH interpolators
   FUZZY SET SYST, 138: 441-453 (2003)
3. A Chong
   Constructing Sparse and Hierarchical Fuzzy Rulebases
   2004. (Disszertáció, PhD)
4. Y Yam, M L Wong, P Baranyi
   Interpolation with function space representation of membership functions
   IEEE T FUZZY SYST, 14: 398-441 (2006)
5. Z C Johanyák, S Kovács
   A Brief Survey and Comparison on Various Interpolation Based Fuzzy Reasoning Methods
   ACTA POLYTECH HUNG, 1: 61-76 (2006)
6. Johanyák Zsolt Csaba

Fuzzy szabály-interpolációs módszerek és mintaadatok alapján történő automatikus rendszergenerálás
Ph.D. értekezés, 2007
Miskolci Egyetem, Hatvany József Informatikai Tudományok Doktori Iskola

205. S Kovács, L T Kóczy
The use of the concept of vague environment in approximate fuzzy reasoning
3rd Int. Conf. on fuzzy sets theory and its applications, Liptószentmiklós, pp. 36-37. (1996)
Független idéző: 22

1. P Baranyi, Y Yam, C T Yang, A R Várkonyi-Kóczy
   Complex Reduction of a rational general form
   In: IEEE Conference on Fuzzy Systems, (FUZZY-IEEE) Seoul, 1999. 366-367
2. G C Luh, C Y Wu
   Inversion control of non-linear system with an inverse NARX model identified using genetic algorithms
   Jour. of Systems and Control Engineering, (Institution of Mechanical Eng.): 259-271 (2000)
3. M F Kawaguchi, M Miyakoshi
   A fuzzy rule interpolation technique based on B-splines in multiple input systems
   In: IEEE Int. Conf. on Fuzzy Systems (FUZZ-IEEE), San Antonio, 2000. 488-492
4. P Baranyi, I Nagy, P Korondi, H Hashimoto
   General guiding model for mobile robots and its complexity reduced neuro-fuzzy approximation
   In: IEEE Int. Conf. on Fuzzy Systems (FUZZ-IEEE), San Antonio, 2000. 1029-1032
5. P Baranyi, Y Yam, C T Yang, A R Várkonyi-Kóczy
   SVD Based reduction for subdivided rule bases
   In: IEEE Int. Conf. on Fuzzy Systems (FUZZ-IEEE), San Antonio, 2000. 712-716
6. A R Várkonyi-Kóczy, O Takács
   Anytime Extension of the Iterative Fuzzy Model Inversion
   In: 10th IEEE International Fuzzy Systems Conference, Melbourne, 2001.
7. B Bouchon-Meunier, D Dubois, C Marsala, H Prade, L Ughetto
   A comparative view of interpolation methods between sparse fuzzy rules
   In: 9th IFSA World Congress, Vancouver, 2001. 2499-2504
8. C Marsala, B Bouchon-Meunier
   Interpolative Reasoning with Multi-Variable Rules
   In: 9th IFSA World Congress, Vancouver, 2001. 2476-2481
9. C Weitian
   Sufficient Conditions on Fuzzy Logic Controllers as Universal Approximators
   IEEE T SYST MAN CY B, 31: 270-274 (2001)
10. D Tikk
    Saturation of α-cut based fuzzy interpolators
    Australian Journal of Intelligent Processing Systems, 7: 110-113 (2001)
11. J Abonyi, F Szeifert
    Computational Intelligence in Data Mining
    In: 2nd International Symposium of Hungarian Researchers on Computational Intelligence, Budapest, 2001. 137-151
12. M Burger, J Haslinger, U Bodenhofer
    Regularized Optimization of Fuzzy Controllers: SFB-Report No. 01-09, Johannes

Kepler Universität Linz
2001.

13. O Kaynak, Á Szeghegyi
Time-critical Applications Based on Fuzzy Techniques
In: Int. Conf. on Inteligent Eng. Systems (IEEE INES), Helsinki, 2001. 61-64
14. T D Gedeon, K W Wong, D Tikk
Constructing Hierarchical Fuzzy Rule Bases for Classification
In: 10th IEEE International Fuzzy Systems Conference (FUZZ-IEEE), Melbourne, 2001.
15. Á Detrekői, Gy Szabó
Térinformatika
2002.
16. A Riid
Transparent Fuzzy Systems: Modeling and Control
2002. (Disszertáció, PhD)
17. D Tikk
Optimal order of convergence for a-cut based fuzzy interpolators
In: Intelligent Technologies-Theory and Applications, 2002. 105-110
18. O Kaynak, K Jezernik, Á Szeghegyi
Complexity reduction of rule based models: A survey
In: Int. Conf. on Fuzzy Systems (FUZZ IEEE), Honolulu, 2002. 1216-1221
19. D Tikk
Notes on the approximation rate of fuzzy KH-interpolators
FUZZY SET SYST, 138: 442-453 (2003)
20. D Tikk, P Baranyi
Exact trade-off between approximation accuracy and interpretability: solving the saturation problem for certain FRBSs
In: Interpretability Issues in Fuzzy Modeling, Studies in Fuzziness and Soft Computing, 2003. 587-601
21. I J Rudas
Hybrid Systems
In: Encyclopedia of Information Systems, 2003. 563-570
22. S Khor
An experimental study of a fuzzy rules reduction method using the Sugeno and Yasukawa s qualitative modeling
In: International Conference on Fuzzy Information Processing Theories and Applications, Bejing, 2003. 461-466

206. P Baranyi, T D Gedeon, L T Kóczy
A general interpolation technique in fuzzy rule bases with arbitrary membership functions
IEEE Int. Conf. on Systems, Man and Cybernetics Lille, pp. 510-515. (1996)
Független idéző: 8

1. Z Huang, Q Shen
A New Fuzzy Interpolative Reasoning Method Based on Center of Gravity
In: 12th International Conference on Fuzzy Systems, 2003. 25-30
2. D -M Huang, E C C Tsang, D S Yeung
A fuzzy interpolative reasoning method
In: International Conference on Machine Learning and Cybernetics, 2004. 1826-1830

3. Z Huang, Q Shen
   Scale and Move Transformation-Based Fuzzy Interpolative Reasoning: A Revisit
   In: IEEE International Conference on Fuzzy Systems, Budapest, 2004. 623-628
4. Y -M Li, Huang D -M, E C C Tsang, L -N Zhang
   Weighted fuzzy interpolative reasoning method
   In: International Conference on Machine Learning and Cybernetics, (ICMLC), 2005. 3104-3108
5. Y Bai, D Wang
   Improve the Robot Calibration Accuracy Using a Dynamic Online Fuzzy Error Mapping System
   IEEE T FUZZY SYST, 34: 1155-1160 (2005)
6. Z Huang, Q Shen
   Transformation based interpolation with generalized representative values
   In: IEEE International Conference on Fuzzy Systems,, 2005. 821-826
7. Z Huang, Q Shen
   Transformation Based Interpolation with Generalized Representative Values
   In: International Conference on Fuzzy Systems (FUZZ-IEEE) Reno, 2005. 821-826
8. Z Huang, Q Shen
   Fuzzy interpolative reasoning via scale and move transformations
   IEEE T FUZZY SYST, 14: 340-359 (2006)

207. P Baranyi, LT Kóczy
A general and specialised solid cutting method for fuzzy rule interpolation
BUSEFAL- BULL STUD EXCH FUZZIN APPL 66: 13-22 (1996)
Független idéző: 6

1. O Kaynak, K Jezernik, Á Szeghegyi
   Complexity reduction of rule based models: A survey
   In: Int. Conf. on Fuzzy Systems (FUZZ IEEE'02), Honolulu, 2002. 1216-1221
2. D Tikk, S Kovács, T D Gedeon, K W Wong
   A feature ranking algorithm for problems with output of contiuous range
   In: 1st Slovakian-Hungarian Joint Symposium on Applied Machine Intelligence, (SAMI) Herlany, 2003. 87-103
3. Z C Johanyák, S Kovács
   A Brief Survey and Comparison on Various Interpolation Based Fuzzy Reasoning Methods
   ACTA POLYTECH HUNG, 1: 61 (2006)
4. Z C Johanyák, D Tikk, S Kovács, K W Wong
   Fuzzy Rule Interpolation Matlab Toolbox – FRI Toolbox
   In: IEEE, International Conference on Fuzzy Systems, Vancouver, CD proc, 2006.

5 Z C Johanyák, S Kovács: Fuzzy Rule Interpolation by the Least Squares Method, Proceedings of the 7th International Symposium of Hungarian Researchers on Computational Intelligence, Budapest, pp. 495-506 (2006)

6 Z C Johanyák
Fuzzy szabály-interpolációs módszerek és mintaadatok alapján történő automatikus rendszergenerálás
PhD értekezés, 2007

208. M Bohus, K Tarnay, L T Kóczy
A fuzzy model for test results certification

Cost 247 Workshop, Maribor, pp. 194-200. (1996)

209. LT Kóczy, M Sugeno
Explicit functions of fuzzy control systems
INT J UNCERTAIN FUZZ 4: 515-535 (1996)
Független idéző: 1

1. Mikéné Hegedűs F
A fuzzy logika és a neurális hálók alkalmazása a precíziós növénytermelés adatbázisának értékelésében
2006. (Disszertáció, PhD)

210. L T Kóczy, A Zorat
Optimal fuzzy rule bases-the cat and mouse problem
IEEE International Conference on Fuzzy Systems (FUZZ-IEEE), New Orleans, pp. 1865-1870. (1996)

211. L T Kóczy
Fuzzy if...then rule models and their transformation into one another
IEEE T SYST MAN CY A 26: (5) 621-637 (1996)
IF: 0.811
Független idéző: 23

1. S Roychowdhury
Fuzzy curve fitting using least square principles
Comp. Cybernetics - Soft Computing, 29: (29) 4022-4027 (1998)
2. J Virant, N Zimic, M Mraz
T-type fuzzy memory cells
FUZZY SET SYST, 102: 175-183 (1999)
3. S Micera, A M Sabatini, P Dario
Adaptive fuzzy control of electically stimulated muscles for arm movements
MED BIOL ENG COMPUT, 37: (6) 680-685 (1999)
4. R Alcalá, J Casillas, O Cordón, F Herrera, S J I Zwir
Techniques for Learning and Tuning Fuzzy Rule-Based Systems for Linguistic Modeling and their Application
In: Knowledge-Based Systems: Techniques and Applications, 2000. 889-941
5. R Alcala, J Casillas, O Cordon, F Herrera
Building fuzzy graphs: Features and taxonomy of learning for non-grid-oriented fuzzy rule-based systems
J INTELL FUZZY SYST, 11: 99-119 (2001)
6. S Preitl, R E Precup
Research Results in Fuzzy Controllers with Dynamics
In: 3rd International Symposium of Hungarian Researchers on Computational Intelligence, Budapest, 2002. 197-208
7. S Roychowdhury, W Pedrycz
Modeling temporal functions with granular regression and fuzzy rules
FUZZY SET SYST, 126: 377-387 (2002)
8. A Sonobol, F M Sami
Fuzzy Lyapunov Stability Analysis of Discrete Type II TSK Systems
In: IEEE Conference on Decision and Control, 2003. 5209-5214
9. J Balasubramaniam
A Framework for Lossless Rule Reduction in Fuzzy Rule Based Systems
2003. (Disszertáció, PhD)

10. R -E Precup, S Preitl, G Faur
PI predictive fuzzy controllers for electrical drive speed control: methods and software for stable development
COMPUT IND, 52: 253-270 (2003)
11. R -E Precup, S Preitl
Development of fuzzy controllers with non-homogeneous dynamics for integral-type plants
ELECTR ENG, 85: (3) 155-168 (2003)
12. S Preitl, R -E Precup, P Korondi
Aspects Concering the Development of Fuzzy Controllers for Servo System
In: 4th International Symposium of Hungarian Researchers on Computational Intelligence, Budapest, 2003. 89-100
13. T Wang, F Li, L Jiang
Research on Linear Interpolative Reasoning for the Irregular Fuzzy Rule
Mini-Micro Systems, 24: 1350-1353 (2003)
14. A Chong
Constructing Sparse and Hierarchical Fuzzy Rulebases
180 p. 2004. (Disszertáció, PhD)
15. A Sonobol, M S Fadali
Generalized fuzzy Lyapunov stability analysis of discrete type II/III tsk systems
In: American Control Conference, 2004. 453-458
16. M Sugeno, T Taniguchi
On Improvement of Stability Conditions for Continuous Mamdani-Like Fuzzy Systems
IEEE T SYST MAN CY B, 34: (1) 120-131 (2004)
17. R -E Precup, S Preitl
Optimisation criteria in development of fuzzy controllers with dynamics
ENG APPL ARTIF INTELL, 17: 661-674 (2004)
18. S Preitl, R -E Precup
Development of TS Fuzzy Controllers with Dynamics for Low Order Benchmarks with Time Variable Parameters
In: 5th International Symposium of Hungarian Researchers on Computational Intelligence, Budapest, 2004. 239-248
19. R –, E Precup, S Preitl, C Szabó, P Korondi, P Szemes
On some low-cost tracking controllers for mobile robots
Control and Intelligent Systems, 33: (1) 1-10 (2005)
20. S Preitl, R-E Precup, Z Preitl
Development of Conventional and Fuzzy Controllers and Takagi-Sugeno Fuzzy Models Dedicated for Control of Low Order Benchmarks with Time Variable Parameters
ACTA POLYTECH HUNG, 2: (1) 75-92 (2005)
21. D Perduková, P Fedor
The method of input space fuzzification for electrical drives fuzzy modelling
Acta Technica CSAV, 51: (1) 97-107 (2006)
22. R -E Precup, S Preitl
Stability and Sensitivity Analysis of Fuzzy Contorl Systems. Mechatronics Applications
ACTA POLYTECH HUNG, 1: (1) 61-76 (2006)

23. Johanyák Zsolt Csaba
Fuzzy szabály-interpolációs módszerek és mintaadatok alapján történő automatikus rendszergenerálás
Ph.D. értekezés, 2007
Miskolci Egyetem, Hatvany József Informatikai Tudományok Doktori Iskola

212. L Pula, E Balog, I Berta, L T Kóczy
Increasing the safety of industrial processes by using fuzzy logic
8. MVK TVN Int. Conf., Stará Lesná, pp. 197-200. (1996)

213. Kovács S, Kóczy L T
Ritka fuzzy szabálybázis közelítő becslése a fuzzy szabálybázis bizonytalan környezete alapján
MICROCAD, Miskolc, pp. 87-90. (1996)

214. Kóczy L T
Fuzzy szabályalapú irányítási algoritmusok
1996. (Disszertáció: MTA Doktora)

215. K Ozawa, K Hirota, L T Kóczy
Fuzzy flip-flop
In: M J Patyra, D M Mlynek (ed.) Fuzzy Logic Implementation and Applications, New York: Wiley, 1996. pp. 197-236
Független idéző: 2

1. M Mraz, J Virant, N Zimic
Hardware interpretation of fuzzy rule qualifications
Iranian Journal of Fuzzy Systems: (2004)
2. M Petrik
Concept of Edge-Controlled Many-Valued R-S Memory Circuit
In: IEEE International Conference on Fuzzy Systems, Vancouver, CD proc, 2006.

216. J Lee, K Hirota, L T Kóczy
Applications of fuzzy theory to complex systems - Guest editors' introduction
INT J UNCERTAIN FUZZ 4: 495-495 (1996)

217. D Tikk, L T Kóczy
Computational Complexity of Fuzzy Control Algorithms
Conference on Qualitative System Modeling, Qualitative Fault Diagnosis and Fuzzy Logic and Control, Budapest–Balatonfüred , 4 p. (1996)

218. D Tikk, L T Kóczy
Computational Complexity Aspects of Fuzzy Controllers
Workshop Advanced Control Systems, Vienna, pp. 123-127. (1996)

219. D Tikk, L T Kóczy
Approximation in rule bases,
Infrormation Processing and Management of Uncertainty Int. Conf. (IPMU), Granada, pp. 489-494. (1996)
Független idéző: 4

1. V Kreinovich, G C Mouzouris, H T Nguyen
Fuzzy rule based modeling as a universal approximation tool
In: Fuzzy Systems: Modeling and Control, 1998. 135-195
2. Y Yam, R Osegueda, V Kreinovich
Towards faster, smoother, and more compact fuzzy approximation, with an application to non-destructive evaluation of space shuttle s structural integrity

In: 18th International Conference of the North American Fuzzy Information Society (NAFIPS), 1999. 243-247

3. Y Yam, H T Nguyen, V Kreinovich
   Multi-resolution techniques in the rules-based intelligent control systems: a universal approximation result
   In: 14th IEEE International Symposium on Intelligent Control/Intelligent Systems and Semiotics (ISIC ISAS) Cambridge, 1999. 213-218
4. E Vidal, L Longpré, V Kreinovich, Y Yam- H Haitao
   Asymptotically optimal algorithms for weather applications of smart dust
   In: International Symposium on Smart Structures and Microsystems (IS3M), Hong Kong, 2000.

220. Cselényi J, Kovács S, Pap L, Kóczy L T
Újabb eredmények a vezetonélküli targoncák fuzzy logikai irányítású nyomkövetési stratégiájában
MICROCAD Miskolc, pp. 63-65. (1996)

221. A Zorat, A Satori, G Tecchiolli, L Koczy
A Flexible VLSI Processor for Fast Neural Network and Fuzzy Control Implementation
Int. Conf. of Soft Computing, Iizuka, 4 p. (1996)
Független idéző: 1

1. M Russo, L Caponetto
   Hardware implementation of intelligent systems
   In: Studies In Fuzziness And Soft Computing Series, 2001. 91-120

1995

222. . S Kovács, LT Kóczy
Shape of fuzzy conclusion generated by linear interpolation of trapezoidal if...then... rules
TATRA MT MATH PUBL 6: 83-93 (1995)

1. Johanyák Zsolt Csaba
   Fuzzy szabály-interpolációs módszerek és mintaadatok alapján történő automatikus rendszergenerálás
   Ph.D. értekezés, 2007
   Miskolci Egyetem, Hatvany József Informatikai Tudományok Doktori Iskola

223. S Kovács, L T Kóczy
Fuzzy rule interpolation in vague environment
EUFIT '95, Aachen, pp. 95-98. (1995)

224. P Baranyi, T D Gedeon, L T Kóczy
A general method for fuzzy rule interpolation: specialised for crisp, triangular and trapezoidal rules
EUFIT '95 Int. Conf., Aachen, pp. 99-102. (1995)
Független idéző: 5

1. Y Shi, M Mizumoto
   Some Considerations on Kóczy ‘s Fuzzy Interpolative Reasoning Method
   In: Int. Joint Conference of the 4th IEEE Int. Conf. on Fuzzy Systems and 2nd Int. Fuzzy Engineering Symposium, Yokohama, 1995. 2117-2122
2. B Bouchon-Meunier, J Delechamp
   Analogy and fuzzy interpolation in the case of sparse rules
   In: SIC-EUROFUSE, Budapest, 1999. 132-136

3. B Bouchon-Meunier, C Marsala, M Rifqi
Interpolative reasoning based on graduality
In: IEEE Int. Conf. on Fuzzy Systems (FUZZ-IEEE), San Antonio, 2000. 483-487

4. C Marsala, B Bouchon-Meunier
Interpolative Reasoning with Multi-Variable Rules
In: 9th IFSA World Congress, Vancouver, 2001. 2476-2481

5. Z Huang
Rule Model Simplification
2005. (Disszertáció, PhD)

225. L T Kóczy, S Kovács
Using approximate fuzzy reasoning for converting sparse rulbase to a complete one
Microcad ’95 Miskolc (1995)

226. L T Kóczy
Teaching fuzzy control without and with mathematics
Teaching Fuzzy Systems Joint Tempus Workshop, Budapest, pp. 1-4. (1995)

227. L T Kóczy, K Ozawa, K Hirota, W Pedrycz, N Ikoma
Summary of fuzzy flip-flop
Int. Joint Conference of the 4TH IEEE Int. Conf. on Fuzzy Systems and 2nd Int. Fuzzy Engineering Symposium, Yokohama, pp. 1641-1646. (1995)

228. L T Kóczy
Some mathematical problems of fuzzy controllers
In: Da Ruan (ed.) Fuzzy Set Theory and Advanced Mathematical Applications, Boston ; Dordrecht ; London: Kluwer Academic Publishers, 1995. pp. 245-265

229. L T Kóczy, A Zorat
Some mathematical aspects of fuzzy control
Information & Knowledge Engineering, Dalian, pp. 1360-1372. (1995)

230. L T Kóczy, S Kovács
Simulation of an automatic barrow control with a sparse rule set based fuzzy logic controller
Microcad ’95 Miskolc (1995)

231. L T Kóczy, T D Gedeon, A H H Ngu, R A Bustos, J Shepherd
Learning fuzzy measure functions for information retrieval
Int. Joint Conference of the 4TH IEEE Int. Conf. on Fuzzy Systems and 2nd Int. Fuzzy Engineering Symposium, Yokohama, pp. 43-48. (1995)

232. L T Kóczy
Fuzzy rule based systems
Int'l Joint Conf. of CFSA/IFIS/SOFT, Taipei, Tutorials 1-67. (1995)

233. L T Kóczy, P Várlaki
Fuzzy models and explicit functions
International Joint Conference of CFSA/IFIS/SOFT, Taipei, pp. 7-14. (1995)

234. L T Kóczy, L Kunsági
Fuzzy linguistic models and controllers, automation and control and engineering in higher education
TEMPUS Jep Conference, Vienna, pp. 105-108. (1995)

235. L T Kóczy
Aspetcs of fuzzy computing
Int. Joint Conference of the 4th IEEE Int. Conf. on Fuzzy Systems and 2nd Int. Fuzzy Engineering Symposium, Yokohama, pp. 2113-2116. (1995)

236. L T Kóczy
Approximation and fuzzy control
6th International Fuzzy Systems Association World Congress, Sao Paulo, pp. 625-628. (1995)

237. L T Kóczy
Algorithms and models of fuzzy reasoning and control
6th International Fuzzy Systems Association World Congress, Sao Paulo, pp. 73-136. (1995)

238. L T Koczy
Algorithmic aspects of fuzzy control
INT J APPROX REASON 12: 159-219 (1995)
IF: 0.630
Független idéző: 3

1. A Dvorák
Computational properties of fuzzy logic deduction
In: 5th Fuzzy Days Dortmund, 1997. 189-196
2. A L D Pra
A study about dimensional change of industrial parts using fuzzy rules
FUZZY SET SYST, 139: 227-237 (2003)
3. I J Rudas
Hybrid Systems
In: Encyclopedia of Information Systems, 2003. 563-570

239. Kóczy LT, Ramer A, Maeda Y
Information semantics of defuzzification in fuzzy control
Int. Joint Conference of the 4th IEEE Int. Conf. on Fuzzy Systems and 2nd Int. Fuzzy Engineering Symposium, Yokohama, pp. 2129-2132. (1995)

240. J Varga, L T Kóczy
Explicit function of multiple input controller
EUFIT '95 Int. Conf., Aachen, pp. 103-106. (1995)

241. J Varga, LT Kóczy
Explicit formulae of two input fuzzy control
BUSEFAL- BULL STUD EXCH FUZZIN APPL 63: 58-66 (1995)

1994

242. . S Kovács, LT Kóczy
The convexity and piecewise linearity of the fuzzy conclusion guaranted by linear fuzzy rule interpolation
BUSEFAL- BULL STUD EXCH FUZZIN APPL 60: 281-296 (1994)
Független idéző: 2

1. D Tikk, P Baranyi
Comprehensive Analysis of a New Fuzzy Rule Interpolation Method
IEEE T FUZZY SYST, 8: (3) 281-296 (2000)
2. Johanyák Zsolt Csaba
Fuzzy szabály-interpolációs módszerek és mintaadatok alapján történő automatikus rendszergenerálás
Ph.D. értekezés, 2007
Miskolci Egyetem, Hatvany József Informatikai Tudományok Doktori Iskola

243. LT Kóczy
Approximation and fuzzy rule bases

JPN J FUZZY THEOR SYST (SOFT J): 831-839 (1994)

244. L T Kóczy
Transformation of fuzzy models by interpolation
IPMU'94 Int. Conf. Paris, pp. 935-940. (1994)

245. L T Kóczy, A Zorat, T D Gedeon
The cat and mouse problem- optimizing the size of fuzzy rule bases
Current Issues on Fuzzy Technologies (CIFT '94), Trento, pp. 139-151. (1994)

246. L T Kóczy, S Kovács
Shape of the fuzzy conclusion generated by linear interpolation in trapezodial fuzzy rule bases
EUFIT'94 Int. Conf., Aachen, pp. 1666-1670. (1994)
Független idéző: 2

1. D Tikk, P Baranyi, T D Gedeon, L Muresan
   Generalization of a rule interpolation method resulting always in acceptable conslusion
   Tatra Mountains Mathematical Publications, 21: 73-91 (2001)
2. Johanyák Zsolt Csaba
   Fuzzy szabály-interpolációs módszerek és mintaadatok alapján történő automatikus rendszergenerálás
   Ph.D. értekezés, 2007
   Miskolci Egyetem, Hatvany József Informatikai Tudományok Doktori Iskola

247. L T Kóczy, S Kovács
On the membership function of the conclusion generated by linear interpolation in trapezoidal fuzzy rule bases
Current Issues on Fuzzy Technologies (CIFT), Trento, pp. 126-129. (1994)

248. L T Kóczy
On if... then... rule models and their transformability into one another: TR 93-94/406, Tokyo Institute of Technology, Yokohama
(1994)
Független idéző: 2

1. J Prenninger, E P Klement
   Fuzzy Algorithm for Robot Actuator Coordiantor: Projektbeschreibung, Technische Universität Wien & J. Kepler Universität, Linz
   1995.
2. Johanyák Zsolt Csaba
   Fuzzy szabály-interpolációs módszerek és mintaadatok alapján történő automatikus rendszergenerálás
   Ph.D. értekezés, 2007
   Miskolci Egyetem, Hatvany József Informatikai Tudományok Doktori Iskola

249. L T Kóczy
On fuzzy models and model transformation
Brazil-Japan Joint Symposium on Fuzzy Systems, Campinas, pp. 1-14. (1994)

250. L T Kóczy, A Ramer, C Padet
Information interpretation of reasoning with fuzzy uncertainty
3rd Int. Conf. on Fuzzy Logic, Neural Nets and Soft Computing, Iizuka, pp. 249-250. (1994)

251. L T Kóczy
I-Fuzzy structure: the world of strictly monotonous norms
In: P Z Wang, K F Loe (ed.) Between Mind and Computer: Fuzzy science and Engineering, Singapore: World Scientific, 1994. pp. 105-137

Független idéző: 1

1. J Bagyinszki
   Fuzzy Truth functions
   In: 3rd International Symposium of Hungarian Researchers on Computational Intelligence, Budapest, 2002. 129-133

252. L T Kóczy, M Sugeno
Explicit formulas for fuzzy control systems and the approximator property: TR 93-94/408, Tokyo Institute of Technology, Yokohama
(1994)
Független idéző: 1

1. J Prenninger, E P Klement
   Fuzzy Algorithm for Robot Actuator Coordiantor: Projektbeschreibung, Technische Universität Wien & J. Kepler Universität, Linz
   1995.

253. L T Kóczy, Y Maeda, A Ramer, J Hiller
Defuzzification in fuzzy control by normalized maximum possibility: TR 93-94/407, Tokyo Institute of Technology, Yokohama
(1994)
Független idéző: 1

1. J Prenninger, E P Klement
   Fuzzy Algorithm for Robot Actuator Coordiantor: Projektbeschreibung, Technische Universität Wien & J. Kepler Universität, Linz
   1995.

254. L T Kóczy
Approximation in fuzzy rule bases
10th Anniversary SOFT Conference, Osaka, pp. 1-13. (1994)
Független idéző: 1

1. J Prenninger, E P Klement
   Fuzzy Algorithm for Robot Actuator Coordiantor: Projektbeschreibung, Technische Universität Wien & J. Kepler Universität, Linz
   1995.

255. L T Kóczy
Approximate models and reasoning
3rd Int. Conference on Fuzzy Logic, Neural Nets and Soft Computing, Iizuka, pp. 257-258. (1994)
Független idéző: 1

1. Y Shi, M Mizumoto
   Reasoning conditions on Kóczy s interpolative reasoning method in sparse fuzzy rule bases. Part II
   FUZZY SET SYST, 87: 47-56 (1997)

256. Kóczy LT
Linearity and the CNF property in linear fuzzy rule interpolation
Int. Conf on Computational Intelligence, (FUZZ-IEEE'94) Orlando, pp. 870-875. (1994)
Független idéző: 6

1. F Benmakrouha
   Construction of a Fuzzy Model with Few Examples
   In: Computational Intelligence Theory and Applications, 1997. 189-196

2. R Palm
   Fuzzy Control - Design and Engineering Applications
   In: Soft Computing Techniques in Knowledge-based Intelligent Engineering Systems, 1997. 44-71
3. B Kelkar, B Postlethwaite
   Enhancing the generality of fuzzy relational models for contro
   FUZZY SET SYST, 100: 117-129 (1998)
4. B Bouchon-Meunier, J Delechamp
   Analogy and fuzzy interpolation in the case of sparse rules
   In: SIC-EUROFUSE'99, Budapest, 1999. 132-136
5. M Shimakawa, S Murakami
   Proposal of an interpolative fuzzy inference method
   INT J GEN SYST, 29: 585-604 (2000)
6. M Shimakawa, S Murakami
   Fuzzy prediction model for water demand prediction using an interpolative fuzzy reasoning method
   INT J SYST SCI, 34: 775-785 (2003)

257. J M Han, L T Kóczy, T Poston
Fuzzy Hough transform
PATTERN RECOGN LETT 15: 649-658 (1994)
IF: 0.381
Független idéző: 32

1. A Sama, J Edward
   Generalized Hough transform for natural shapes
   PATTERN RECOGN, 18: 473-480 (1997)
2. T Brandtberg
   Towards structure-based classification of tree crowns in high spatial resolution aerial images
   Scandinavian Journal of Forest Research, 12: (1) 89-96 (1997)
3. V Chatzis, I Pitas
   Fuzzy cell hough transform for curve detection
   PATTERN RECOGN, 30: (12) 2031-2042 (1997)
4. A Rosenfeld
   Fuzzy geometry: An updated overview
   INFORM SCIENCES, 110: 127-133 (1998)
5. H A Vrooman, E R Valstar, G -J Brand, D R Admiraal, P M Rozing, J-H C Reiber
   Fast and accurate automated measurements in digitized stereophotogrammaetric radiographs
   J BIOMECH, 31: (5) 491-498 (1998)
6. K Kubo, K Urahama
   Function Regression for Image Restoration by Fuzzy Hough Transform
   IEICE Trans. Fundamentals: 1305-1309 (1998)
7. M Fathi, J Hiltner, B Reusch
   Using vague knowledge for image description
   Comp. Cyb. - Soft Computing, 29: 4120-4125 (1998)
8. S Sural, P K Das
   Fuzzy Hough transorm and an MLP with fuzzy input/output for character recognition

FUZZY SET SYST, 105: 489-497 (1999)

9. S Sural, P K Das
   An MLP using Hough transform based fuzzy feature extraction for Bengali script recognition
   PATTERN RECOGN LETT, 20: (8) 771-782 (1999)
10. J Hiltner, M Fathi, B Reusch
    An approach to usse linguistic and model-based fuzzy expert knowledge for the analysis of MRT images
    IMAGE VISION COMPUT, 19: 195-206 (2000)
11. M G Albanesi, M Ferretti, D Rizzo
    Benchmarking Hough Transform Architectures for Real-Time
    REAL-TIME IMAGING, 6: 155-172 (2000)
12. A Bigand, T Bouwmans, J P Dubus
    A new stereomatching algorithm based on linear features and the fuzzy integral
    PATTERN RECOGN LETT, 22: (13) 1405-1418 (2001)
13. A Bigdan, T Bouwmans, J P Dubus
    A new stereomatching algorithm based on linear features and the fuzzy integral
    PATTERN RECOGN LETT, 22: (2) 133-146 (2001)
14. I Aizenberg, N Aizenber, J Hiltner, C Moraga, E Meyer zu Bexten
    Cellular neural networks and computational intelligence in medical image processing
    IMAGE VISION COMPUT, 19: 177-183 (2001)
15. J Basak
    Learning Hough transform: A neural network model
    NEURAL COMPUT, 13: (3) 651-676 (2001)
16. J Basak, A Das
    A neural network for learning Hough transform for conoidal structures
    In: International Joint Conference on Neural Networks, 2001. 1971-1976
17. C Rémi, C Frélicot, P Courtellemont
    Automatic analysis of the structuring of children s drawings and writing
    PATTERN RECOGN, 35: 1059-1069 (2002)
18. D Walsh, E A Raftery
    Accurate and efficient curve detection in images: the importance sampling Hough transform
    PATTERN RECOGN, 35: 1421-1431 (2002)
19. G M Grant, S M Nixon, H P Lewis
    Extracting moving shapes by evidence gathering
    PATTERN RECOGN, 35: 1099-1114 (2002)
20. J Basak, A Das
    Hough transform network: Learning conoidal structures in a connectionist framework
    IEEE T NEURAL NETWOR, 13: (2) 381-392 (2002)
21. K Kato, H Koshimizu
    A robust Hough transform LMedS HT and its application to visual inspection
    In: SPIE s Intelligent Systems and Advanced Manufacturing, Stuttgart, 2002. 230-237
22. N Ono, K Urahama
    Fuzzy Hough transform by iterative relaxation method
    Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television Engineers, 56: (12) 2016-2021 (2002)

23. L Tang, W –, X Xie, J –, J Huang, J X Huang
Adaptive fuzzy Hough transform
Tien Tzu Hsueh Pao/Acta Electronica Sinica, 32: (6) 946-949 (2004)

24. M Fathi, U Wellen, H Garmestani
Software support for classification of MRI images
In: International Conference on Mathematics and Engineering Techniques in Medicine and Biological Sciences, (METMBS), 2004. 499-502

25. D C I Walsh
The imprortance sampling hough transform
Advances in Imaging and Electronic Physics, 138: 321-359 (2005)

26. J Basak, Sankar K Pal
Theoreical quantification of shape distortion in fuzzy Hough transform
IEEE T FUZZY SYST, 154: 227-250 (2005)

27. N Ono, K Urahama
Fuzzy Hough transform without deletion of detected line data
Journal of the Institute of Image Information and Television Engineers, 59: (4) 610-613 (2005)

28. H Li, S Dick
A similarity measure for fuzzy rulebases based on linguistic gradients
INFORM SCIENCES, 176: (20) 2960-2987 (2006)

29. H-Y Xing, X-D Wang, B Yang, Z-R Wang
Detecting straight line in myocardium fibers Image based on improved random Hough transform
Computer Application: 406-408 (2006)

30. N Suetake, E Uchino, K Hirota
Generalized fuzzy Hough transform for detecting arbitrary shapes in a vague and noisy image
SOFT COMPUT, 10: (12) 1161-1168 (2006)

31. Y Sawabe, T Matsunaga, S Rokugawa
Automated detection and classification of lunar craters using multiple approaches
Advances in Space Research, 37 21-27 (2006)

32 K Kato, H Koshimizu: Proposal of the LMedS Hough transform, Electronics and Communications in Japan, Part III: Fundamental Electronic Science (90) (5) pp.31-39 (2007)

1993

258. L T Kóczy, K Hirota
Ordering, distance and closeness of fuzzy sets
FUZZY SET SYST: 281-293 (1993)
IF: 0.655
Független idéző: 43

1. B Bouchon-Meunier
On measures of comparison of fuzzy sets
In: Current Issues in Fuzzy Technologies (CIFT) Trento, 1995. 30-31
2. E T Fujito, A Ohsato
The semantical approach to approximate reasoning using concepts of similarity
In: Int. Joint Conference of the 4th IEEE Int. Conf. on Fuzzy Systems and 2nd Int.

Fuzzy Engineering Symposium Yokohama, 1995.

3. M Sato, Y Sato
   Fuzzy clustering model for fuzzy data
   In: Int. Joint Conference of the 4th IEEE Int. Conf. on Fuzzy Systems and 2nd Int. Fuzzy Engineering Symposium, Yokohama, 1995. 2123-2128
4. P Subasic, M Nakatsuyama, H Kaminaga, S Y Wang
   Qualitative modelling with gradual and similarity rules
   In: Int. Joint Conference of the 4th IEEE Int. Conf. on Fuzzy Systems and 2nd Int. Fuzzy Engineering Symposium, Yokohama, 1995. 1447-1454
5. R Fullér
   Neural Fuzzy Systems
   In: Åbo Akademis trycker, Turku, 249 p., 1995.
6. R J Marks, L Laybourn, S Lee
   Fuzzy and extra crisp alternating projection onto convex sets (POCS)
   In: Int. Joint Conference of the 4th IEEE Int. Conf. on Fuzzy Systems and 2nd Int. Fuzzy Engineering Symposium, Yokohama, 1995. 427-435
7. B Bouchon-Meunier, M Rifqi, S Bothorel
   Towards general measures of comparison of objects
   FUZZY SET SYST, 84: 143-153 (1996)
8. M J Wierman
   Assessing Fuzzy Sets and the Potential of Possibility Theory
   Information Sciences, 88: 247-261 (1996)
9. H -M Lee, F -T Lin, J -M Chen
   A fuzzy neural network model for fuzzy rule verification, refinement and generation
   J INF SCI ENG, 13: 311-333 (1997)
10. K Uehara
    Parallel fuzzy inference based on alpha-level sets and generalized means
    Information Sciences, 100: 165-206 (1997)
11. M Delgado, A F Gomez-Skarmeta, F Martin
    A fuzzy clustering-based rapid prototyping for fuzzy rule-based modeling
    IEEE T FUZZY SYST, 5: 223-233 (1997)
12. E Tsiporkova, B Moser, E P Klement
    On a class of Idempotent Aggregation Operators
    In: Information Processing and Management of Uncertainty in Knowledge-Based Systems (IPMU), Paris, 1998. 837-844
13. K Uehara
    Fuzzy Inference Based on Families of α– Level Sets
    1998. (Disszertáció, PhD)
14. M Delgado, A F Gómez-Skarmeta, F Martin
    A methodology to model fuzzy systems using fuzzy clustering in a rapid-prototyping approach
    FUZZY SET SYST, 97: 287-301 (1998)
15. M Ma, I B Turksen, A Kandel
    Fuzzy partition and fuzzy rule base
    J INFORM SCI, 108: 109-121 (1998)

16. M Delgado, A F Gómez-Skarmeta, M A Vila
About the use of fuzzy clustering techniques for fuzzy model identification
FUZZY SET SYST, 106: 179-188 (1999)
17. D Tikk, P Baranyi
Comprehensive Analysis of a New Fuzzy Rule Interpolation Method
IEEE T FUZZY SYST, 8: 281-296 (2000)
18. L Ughetto, D Dubois, H Prade
Fuzzy interpolation by convex completion of sparse rule bases
In: IEEE Int Conf.on Fuzzy Systems, San Antonio, 2000. 465-470
19. R Fullér
Introduction to Neuro-Fuzzy Systems
Advances in Soft Computing: (2000)
20. U Bodenhofer
A similarity-based generalization of fuzzy ordeings preserving the classical axioms
INT J UNCERTAIN FUZZ, 8: 593-610 (2000)
21. U Bodenhofer, P Bauer
Towards an axiomatic treatment of Interpretability
In: 6th International Conference on Soft Computing, Iizuka, 2000. 334-339
22. D -W Kim, K H Lee
A new fuzzy information retrieval system based on user preference model
In: 10th IEEE International Conference on Fuzzy Systems, Melbourne, 2001. 127-130
23. D Tikk
Saturation of -cut based fuzzy interpolators
Australian Journal of Intelligent Processing Systems, 7: 110-113 (2001)
24. S Guillaume
A distance metric suitable for fuzzy partitioning
In: IEEE International Conference on Fuzzy Systems, 2001. 264-267
25. S Guillaume, B Charnomordic, A Titli
A distance metric suitable for fuzzy partitioning
In: 10th IEEE International Fuzzy Systems Conference, Melbourne, 2001. 264-267
26. A Karnib, J Al-Hajjar, D Boissier
An expert system to evaluate the sensitivity of urban areas to the functioning failure os storm drainage networks
Urban Water, 4: 43-51 (2002)
27. D Tikk
Optimal order of convergence for α-cut based fuzzy interpolators
IOS Press: 105-110 (2002)
28. D Tikk, T D Gedeon, P Baranyi
A Fuzzy Interpolation Algorithm Closed over CNF Sets
International Journal of Fuzzy Systems, 4: 634-638 (2002)
29. J Williams, N Steele
Difference, distance and similarity as a basis for fuzzy decision support based on prototypical decision classes
FUZZY SET SYST, 131: 35-46 (2002)
30. U Bodenhofer
Application perspectives of fuzzy orderings

In: IEEE International Conference on Fuzzy Systems (FUZZ-IEEE) Honolulu, 2002. 1357-1362

31. D Tikk
Notes on the approximation rate of fuzzy KH-interpolators
FUZZY SET SYST, 138: 442-453 (2003)

32. D Tikk, P Baranyi
Exact trade-off between approximation accuracy and interpretability: solving the saturation problem for certain FRBSs
In: Interpretability Issues in Fuzzy Modeling, Studies in Fuzziness and Soft Computing, 2003. 587-601

33. U Bodenhofer, P Bauer
A Formal Modell of Interpretability of Linguistic Variables
In: Interpretability Issues in Fuzzy Modeling, Studies in Fuzziness and Soft Computing, 2003. 524-545

34. U Bodenhofer, M De Cock, E E Kerre
Openings and closures of fuzzy preorderings: Theoretical basics and applications to fuzzy rule-based systems
INT J GEN SYST, 32: 343-360 (2003)

35. A Chong
Constructing Sparse and Hierarchical Fuzzy Rulebases
2004. (Disszertáció, PhD)

36. A Karnib
An approach to elaborate priority preorders of water resources projects based on multi-criteria evaluation and fuzzy sets analysis
WATER RESOUR MANAG, 18: 13-33 (2004)

37. S Dale, A Bara
Solutions for Implementation of Interpolative Methods Based on Rules in Control Structures
ACAM Review Cluj-Napoca: (2004)

38. S Guillaume, B Charnomordic
Generating an Interpretable Family of Fuzzy Partitions From Data
IEEE T FUZZY SYST, 12: 324-335 (2004)

39. U Bodenhofer, P Bauer
Interpretability of linguistic variables: A formal account
KYBERNETIKA, 41: (2) 227-248 (2005)

40. Z C Johanyák, S Kovács
Distance based similarity measures of fuzzy sets
In: 3rd Slovakian-Hungarian, Joint Symposium on Applied Machine Intelligence (SAMI) Herlany, 2005. 265-276

41. H Li, S Dick
A similarity measure for fuzzy rulebases based on linguistic gradients
INFORM SCIENCES, 176: 2960-2987 (2006)

42. Z C Johanyák, S Kovács
A Brief Survey and Comparison on Various Interpolation Based Fuzzy Reasoning Methods
ACTA POLYTECH HUNG, 1: 61-76 (2006)

43. Johanyák Zsolt Csaba

Fuzzy szabály-interpolációs módszerek és mintaadatok alapján történő automatikus rendszergenerálás
Ph.D. értekezés, 2007
Miskolci Egyetem, Hatvany József Informatikai Tudományok Doktori Iskola

259. L T Kóczy, S Kovács
On the preservation of convexity and piecewise linearity in linear fuzzy rule interpolation: Technical Report TR 93-94/402, Tokyo Institute of Technology, Yokohama
(1993)
Független idéző: 3

1. J Prenninger, E P Klement
   Fuzzy Algorithm for Robot Actuator Coordiantor: Projektbeschreibung, Technische Universität Wien & J. Kepler Universität, Linz
   1995.
2. D Tikk, P Baranyi
   Comprehensive Analysis of a New Fuzzy Rule Interpolation Method
   IEEE T FUZZY SYST, 8: 281-296 (2000)
3. D Tikk, T D Gedeon, P Baranyi
   A Fuzzy Interpolation Algorithm Closed over CNF Sets
   International Journal of Fuzzy Systems, 4: 634-638 (2002)

260. L T Kóczy
On the calculus of fuzzy rules
5th IFSA World Congress, Seoul, pp. 1-2. (1993)
Független idéző: 4

1. H Thiele
   Investigation of IF*THEN Rule Bases by Methods of Mathematical Logic: Technical Report, University of Dortmund, Department of Computer Science 1
   1994.
2. H Thiele
   Zur strukturellen analyse von IF-THEN-Regelbasen mit Methoden der Mathematischen Logik
   In: Informatik aktuell, Fuzzy Logik Theorie und Praxis, 1994. 41-49
3. H Thiele
   Investigation of IF-THEN Rule Bases by Methods of Mathematical Logic
   In: Joint Conference of the 4th IEEE Int. Conf. on Fuzzy Systems and 2nd Int. Fuzzy Engineering Symposium, Yokohama,, 1995. 1391-1396
4. H Thiele
   On the uniqueness of interpretations for fuzzy IF-Then rule bases
   In: Computational Intelligence. Theory and Applications, 2001. 506-525

261. L T Kóczy, A Ramer, J Hiller
On Possibility Decision in Fuzzy Control
Int. Symp. on Nonlinear Theory and its Applications, NOLTA, Honolulu, pp. 129-132. (1993)

262. L T Kóczy
Nonlinear interpolative model of fuzzy rule based systems
Int. Symp. on Nonlinear Theory and its Applications, NOLTA, Honolulu, pp. 111-116. (1993)

263. L T Kóczy, K Hirota
Modular rule bases in fuzzy control
EUFIT Int. Conf., Aachen, pp. 606-610. (1993)
Független idéző: 2

1. V Lacrose, A Titli
   Fuzzy control of Multivariable Complex Systems using Rule Base Reduction Methods: Rep. No. 96112, LAAS, Toulouse
   1996.
2. Johanyák Zsolt Csaba
   Fuzzy szabály-interpolációs módszerek és mintaadatok alapján történő automatikus rendszergenerálás
   Ph.D. értekezés, 2007
   Miskolci Egyetem, Hatvany József Informatikai Tudományok Doktori Iskola

264. L T Kóczy
Learning and various fuzzy algebraic systems
WWW on Learning and Adaptive Systems, Nagoya, pp. 16-23. (1993)

265. L T Kóczy, K Hirota
Interpolative reasoning with insufficient evidence in sparse fuzzy rule bases
INFORM SCIENCES 71: 169-201 (1993)
IF: 0.181
Független idéző: 50

1. D Dubois, M Grabisch, H Prade
   Synthesis of real-valued mappings based on gradual rules and interpoaltive reasoning
   Fuzzy Systems & A.I.: 1-13 (1993)
2. D Dubois, M Grabisch, H Prade
   Synthesis of real-valued mappings based on gradual rules and interpolative reasoning
   In: 13th IJCNN Chambery, 1993.
3. D Dubois, H Prade
   On Fuzzy Interpolation
   In: 3rd Int. Conf. on Fuzzy Logic, Neural Nets and Soft Computing, Iizuka, 1994. 353-354
4. Z Q Wu, M Mizumoto
   An Improvement Method of Fuzzy Interpolative Reasoning: Dept. of Management Eng., Osaka, Electro-Communication University
   1994.
5. J Kacprzyk, M Fedrizzi
   Developing a Fuzzy Logic Controller in Case of Sparse Testimonies
   INT J APPROX REASON, 12: 221-236 (1995)
6. S Yan, M Mizumoto, W Z Qiao
   Reasoning conditions on Kóczy s interpolative reasoning method in sparse fuzzy rule bases
   FUZZY SET SYST, 75: 63-71 (1995)
7. Y Shi, M Mizumoto
   Some Considerations on Kóczy s Fuzzy Interpolative Reasoning Method
   In: Int. Joint Conference of the 4th IEEE Int. Conf. on Fuzzy Systems and 2nd Int. Fuzzy Engineering Symposium, YokohamaInt. Joint Conference of the 4th IEEE

Int. Conf. on Fuzzy Systems and 2nd Int. Fuzzy Engineering Symposium, Yokohama, 1995. 2117-2122

8. D Dubois, H Prade
   Logique floue, interpolation et commande
   Journal Europeen des Systemes Automatises, 30: (5) 607-644 (1996)
9. W Z Qiao, M Mizumoto, S Yan
   An Improvement to Kóczy and Hirota s Interpolative Reasoning in Sparse Fuzzy Rule Bases
   INT J APPROX REASON, 15: 185-201 (1996)
10. Y Shi, M Mizumoto
    Reasoning conditions on Kóczy s interpolative reasoning method in sparse fuzzy rule bases
    FUZZY SET SYST, 87: 47-56 (1997)
11. Y Shi, M Mizumoto
    Some Considerations on Kóczy s Fuzzy Interpolative Reasoning Method: Division of Information and Computer Science, Osaka, Electro-Communication University 1997.
12. W H Hsiao, S M Chen, C H Lee
    A new interpolative reasoning method in sparse rule-based systems
    FUZZY SET SYST, 93: 17-21 (1998)
13. Y Shi, M Mizumoto
    A note reasoning conditions of Kóczy s interpolative reasoning method
    FUZZY SET SYST, 96: 373-379 (1998)
14. B Bouchon-Meunier, D Dubois, L Godo, H Prade
    Fuzzy sets and possibility theory in approximate and plausible reasoning
    In: Fuzzy Sets in Approximate Reasoning and Information Systems, 1999. 15-190
15. B Bouchon-Meunier, J Delechamp
    Analogy and fuzzy interpolation in the case of sparse rules
    In: SIC-EUROFUSE Budapest, 1999. 132-136
16. D Dubois, H Prade
    On fuzzy interpolation
    INT J GEN SYST, 28: (2) 103-114 (1999)
17. X Wang, X Hu
    Approximate reasoning based on linguistic truth value with α-operator
    FUZZY SET SYST, 105: 401-407 (1999)
18. B Bouchon-Meunier, C Marsala, M Rifqi
    Interpolative reasining based on graduality
    In: IEEE Int. Conf. on Fuzzy Systems, San Antonio, 2000. 483-487
19. L Ughetto, D Dubois, H Prade
    Fuzzy interpolation by convex completion of sparse rule bases
    In: IEEE Int Conf.on Fuzzy Systems, San Antonio, 2000. 465-470
20. M F Kawaguchi, M Miyakoshi
    A fuzzy rule interpolation technique based on B-splines in multiple input systems
    In: IEEE Int. Conf. on Fuzzy Systems San Antonio, 2000. 488-492
21. M Shimakawa, S Murakami
    Proposal of an interpolative fuzzy inference method
    INT J GEN SYST, 29: (4) 585-604 (2000)

22. S Kovács
Similarity based control strategy reconfiguration by fuzzy reasoning and fuzzy automat
In: Industrial Electronics Conference (IECON) Nagoya, 2000. 542-547

23. B Bouchon-Meunier, D Dubois, C Marsala, H Prade, L Ughetto
A comparative view of interpolation methods between sparse fuzzy rules
In: 9th IFSA World Congress, Vancouver, 2001. 2499-2504

24. C Marsala, B Bouchon-Meunier
Interpolative Reasoning with Multi-Variable Rules
In: 9th IFSA World Congress, Vancouver, 2001. 2476-2481

25. M L Wong, Y Yam, P Baranyi
Representing membership functions as elements in function space
In: American Control Conference, 2001. 1922-1927

26. W Pan, Y Tang, Y Xu, K Qin
Local relations hold reasoning
In: IEEE International Conference on Systems, Man and Cybernetics, 2001. 2151-2156

27. S Kovács
Fuzzy reasoning and fuzzy automata in user adaptive emotional and information retrieval systems
In: IEEE International Conference on Systems, Man and Cybernetics, Hammamet, 2002. 437-442

28. S Kovács, T D Gedeon
Fuzzy Behaviour-based Control Structures in User Adaptive Systems
In: 3rd International Symposium of Hungarian Researchers on Computational Intelligence, Budapest, 2002. 147-158

29. B -W Wang, X Li, W -Y Liu, Y Shi, S -F Fang
An improvement to Kóczy's interpolative reasoning method based on Taylor Progression
In: International Conference on Machine Learning and Cybernetics (ICML), Xi an, 2003. 2485-2489

30. D Dubois, H Prade, L Ughetto
A new perspective on reasoning with fuzzy rules
INT J INTELL SYST, 18: (5) 541-567 (2003)

31. H N Cat
Yuantifying hedge algebras and interpolation methods in approximate reasoning
In: International Conference on Fuzzy Information Processing Theories and Applications, Bejing, 2003. 105-111

32. M Shimakawa, S Murakami
Fuzzy prediction model for water demand prediction using an interpolative fuzzy reasoning method
INT J SYST SCI, 34: 775-785 (2003)

33. S Kovács
A Flexible Fuzzy Behaviour-based Control Structure
In: 4th International Symposium of Hungarian Researchers on Computational Intelligence, Budapest, 2003. 129-140

34. T Wang, F Li, L Jiang
Research on Linear Interpolative Reasoning for the Irregular Fuzzy Rule

Mini-Micro Systems, 24: 1350-1353 (2003)

35. Z Huang, Q Shen
A New Fuzzy Interpolative Reasoning Method Based on Center of Gravity
In: IEEE 12th International Conference on Fuzzy Systems, (FUZZ-IEEE) St.Louis, 2003. 25-30

36. B Wang, X Shao, W Liu, Y Shi
Generalized method of fuzzy interpolative-type reasoning based on lagrange s interpolation
In: International Conference on Intelligent Mechatronics and Automation, (ICIMA) Chengdu, 2004. 871-876

37. D -M Huang, E C C Tsang, D S Yeung
A fuzzy interpolative reasoning method
In: International Conference on Machine Learning and Cybernetics (ICIMLC), Guangzhou, 2004. 1826-1830

38. F Esteva, M Rifqi, B Bouchon-Meunier, M Detyniecki
Similarity-based fuzzy interpolation method
In: Information Processing and Management of Uncertainty in Knowledge-Based Systesm (IPMU), Perugia, 2004. 1443-1449

39. S Kovács
Interpolation-based Fuzzy Reasoning as an Application Oriented Approach
In: 5th International Symposium of Hungarian Researchers on Computational Intelligence, Budapest, 2004. 359-370

40. T J Wang, T Lu, F Li
Research on Similarity Interpolative Reasoning for the Sparse Fuzzy Rule
Computer Science, 31: 144-147 (2004)

41. T J Wang, T Lu, F Li
Fuzzy Interpolative Reasoning Based on Geometric Similarity
Computer Science, 31: 169-171 (2004)

42. Z Huang, Q Shen
Scale and Move Transformation-Based Fuzzy Interpolative Reasoning: A Revisit
In: IEEE International Conference on Fuzzy Systems, Budapest, 2004. 623-628

43. B Wang, X Li, W Liu, V Shi
A new sparse rule-based fuzzy reasoning method
In: 4th International Conference on Hybrid Intelligent Systems, (HIS) Kitakyushu, 2005. 462-467

44. B-W Wang, R-H Li, W-Y Liu, S Yan
Simplified Kóczy s Linear Interpolative Resaoning Method Based on Taylor Progression
Mini-Micro Systems, 26: 836-840 (2005)

45. S Kovács
Interpolation-based Fuzzy Reasoning as an Application Oriented Approach
ACTA POLYTECH HUNG, 2: (1) 93-107 (2005)

46. Y –, M Li, D –, M Huang, E C C Tsang, L –, N Zhang
Weighted fuzzy interpolative reasoning method
In: International Conference on Machine Learning and Cybernetics, (ICMLC) Guangzhou, 2005. 3104-3108

47. Y Yam, M L Wong, P Baranyi

Interpolation with function space representation of membership functions
IEEE T FUZZY SYST, 14: (3) 398-411 (2006)

48. Z Huang, Q Shen
Fuzzy interpolative reasoning via scale and move transformations
IEEE T FUZZY SYST, 14: (2) 340-359 (2006)

49. N C Ho, N Van Long: Complete and linear hedge algebras, fuzziness measure of vague concepts and linguistic hedges and application,
COMPUTING ANTICIPATORY SYSTEMS – CASYS'05, Seventh international Conference on Computing Anticipatory Systems, (839) 331-339 (2005)

50 N C Ho, N V Long: Fuzziness measure on complete hedge algebras and quantifying semantics of terms in linear hedge algebras, FUZZY SETS AND SYSTEMS (158) (4) pp. 452-471 (2007)

266. 249. L T Kóczy, K Hirota
Interpolation in structured fuzzy rule bases
2nd IEEE Int. Conf. on Fuzzy Systems, San Francisco, pp. 402-405. (1993)
Független idéző: 2

1. H Kikuchi, A Otake, S Nakaishi
Functional completeness of hierarchical fuzzy modeling
INFORM SCIENCES, 110: 51-60 (1998)

2. Johanyák Zsolt Csaba
Fuzzy szabály-interpolációs módszerek és mintaadatok alapján történő automatikus rendszergenerálás
Ph.D. értekezés, 2007
Miskolci Egyetem, Hatvany József Informatikai Tudományok Doktori Iskola

267. L T Kóczy, K Hirota
Interpolation and size reduction in fuzzy rule bases: Technical Report TR 93-94/401, Tokyo Institute of Technology, Yokohama
(1993)
Független idéző: 2

1. J Prenninger, E P Klement
Fuzzy Algorithm for Robot Actuator Coordiantor: Projektbeschreibung, Technische Universität Wien & J. Kepler Universität, Linz
1995.

2. A Chong
Constructing Sparse and Hierarchical Fuzzy Rulebases
2004. (Disszertáció, PhD)

268. L T Kóczy, K Hirota
General algorithmic approaches to fuzzy control
INFOSCIENCE Int. Conf., Seoul, pp. 349-362. (1993)
Független idéző: 1

1. J Prenninger, E P Klement
Fuzzy Algorithm for Robot Actuator Coordiantor: Projektbeschreibung, Technische Universität Wien & J. Kepler Universität, Linz
1995.

269. L T Kóczy
Compression of fuzzy rule bases by interpolation
1st Asian Fuzzy Systems Symposium, Singapore, pp. 500-507. (1993)

Független idéző: 5

1. H Thiele
   Investigation of IF-THEN Rule Bases by Methods of Mathematical Logic: Technical Report, University of Dortmund, Department of Computer Science 1
   1994.
2. H Thiele
   Zur strukturellen analyse von IF-THEN-Regelbasen mit Methoden der Mathematischen Logik
   In: Informatik aktuell, Fuzzy Logik Theorie und Praxis, 1994. 41-49
3. H Thiele
   Investigation of IF-THEN Rule Bases by Methods of Mathematical Logic
   In: Joint Conference of the 4th IEEE Int. Conf. on Fuzzy Systems and 2nd Int. Fuzzy Engineering Symposium, Yokohama, 1995. 1391-1396
4. J Prenninger, E P Klement
   Fuzzy Algorithm for Robot Actuator Coordiantor: Projektbeschreibung, Technische Universität Wien & J. Kepler Universität, Linz
   1995.
5. H Thiele
   On the uniqueness of interpretations for fuzzy IF-Then rule bases
   In: 7th Fuzzy Days, Dortmund, 2001. 506-525

270. L T Kóczy, K Hirota
Approximative inference in hierarchical structured rule bases
5th IFSA World Congress, Seoul, pp. 1262-1265. (1993)
Független idéző: 6

1. S K Kim
   Fuzzy differential diagnosis of headache: Technical Report, Technical University of Budapest
   (1995).
2. D Tikk, P Baranyi
   Comprehensive analysis of a new fuzzy rule interpolation method
   IEEE T FUZZY SYST, 8: 281-296 (2000)
3. D Tikk, S Kovács, T D Gedeon, K W Wong
   A feature ranking algorithm for problems with output of contiuous range
   In: 1st Slovakian-Hungarian Joint Symposium on Applied Machine Intelligence, (SAMI) Herlany, 2003. 87-103
4. D Tikk, T D Gedeon, K W Wong
   A Feature Ranking Algorithm for Fuzzy Modelling Problems
   In: Interpretability Issues in Fuzzy Modeling, Studies in Fuzziness and Soft Computing, 2003. 177-192
5. A Chong
   Constructing Sparse and Hierarchical Fuzzy Rulebases
   2004. (Disszertáció, PhD)
6. A Bouchachia, R Mittermeir
   Towards Incremental Fuzzy Classifiers
   Soft Computing, 11: 193-207 (2006)

271. L T Kóczy, K Hirota
Approximate reasoning by linear rule interpolation and general approximation

INT J APPROX REASON 9: 197-225 (1993)
Független idéző: 62

1. V Cross, T Sudkamp
   Geometric plausible inference
   In: International Conference on Fuzzy Systems (FUZZ-IEEE), Orlando, 1994. 452-455
2. Y Shi, M Mizumoto
   Mabarana fazi ruhru behsuni okeru Koczy-no hokan gata suironhohni tsuite
   In: 10th Fuzzy Systems Symposium, Osaka, 1994. 221-224
3. Y Shi, M Mizumoto
   Some considerations on Kóczy's fuzzy interpolative reasoning method: Division of Information and Computer Science, Osaka, Electro-Communication University
   1994.
4. Z Q Wu, M Mizumoto
   An improvement method of fuzzy interpolative reasoning: Dept. of Management Eng., Osaka, Electro-Communication University
   1994.
5. E T Fujito, A Ohsato
   The semantical approach to approximate reasoning using concepts of similarity
   In: Joint Conference of the 4th IEEE Int. Conf. on Fuzzy Systems and 2nd Int. Fuzzy Engineering Symposium, Yokohama, 1995. 1447-1454
6. G J Klir, B Yuan
   Fuzzy sets and fuzzy logic, Theory and Applications
   1995.
7. J Kacprzyk, M Fedrizzi
   Developing a Fuzzy Logic Controller in Case of Sparse Testimonies
   INT J APPROX REASON, 12: 221-236 (1995)
8. S Yan, M Mizumoto, W Z Qiao
   Reasoning conditions on Kóczy s interpolative reasoning method in sparse fuzzy rule bases
   FUZZY SET SYST, 75: 63-71 (1995)
9. Y Shi, M Mizumoto
   Some Considerations on Kóczy s fuzzy interpolative reasoning method
   In: Int. Joint Conference of the 4th IEEE Int. Conf. on Fuzzy Systems and 2nd Int. Fuzzy Engineering Symposium, Yokohama, 1995. 2117-2122
10. H Hellendoorn
    After the fuzzy wave reached Europe
    EUR J OPER RES, 9: 58-71 (1997)
11. K Uehara
    Parallel fuzzy inference based on alpha-level sets and generalized means
    Information Sciences, 100: 165-206 (1997)
12. Y Shi, M Mizumoto
    Reasoning conditions on Kóczy s interpolative reasoning method in sparse fuzzy rule bases
    FUZZY SET SYST, 87: 47-56 (1997)
13. K Uehara
    Fuzzy Inference Based on Families of α– Level Sets
    257 p. 1998. (Disszertáció, PhD)

14. S Roychowdhury
Fuzzy curve fitting using least square principles
Comp. Cybernetics - Soft Computing, 29: 4022-4027 (1998)
15. Y Shi, M Mizumoto
A note reasoning conditions of Kóczy s interpolative reasoning method
FUZZY SET SYST, 96: 373-379 (1998)
16. B Bouchon-Meunier, J Delechamp
Analogy and fuzzy interpolation in the case of sparse rules
In: SIC-EUROFUSE, Budapest, 1999. 132-136
17. Bouchon-Meunier B, Dubois D, Godo L, Prade H
Fuzzy sets and possibility theory in approximate and plausible reasoning
In: Fuzzy Sets in Approximate Reasoning and Information Systems, 1999. 15-190
18. E Hüllermeier
Approximation of uncertain functional relationship
FUZZY SET SYST, 101: 227-240 (1999)
19. B Bouchon-Meunier, C Marsala, M Rifqi
Interpolative reasoning based on graduality
In: , IEEE Int. Conf. on Fuzzy Systems, San Antonio, 2000. 483-487
20. D Tikk, P Baranyi
Comprehensive analysis of a new fuzzy rule interpolation Method
IEEE T FUZZY SYST, 8: (3) 281-296 (2000)
21. L Zerrouki, B Bouchon-Meunier, R Fondacci
Fuzzy system for air traffic flow management
In: Information/Intelligent systems, 2000. 525-547
22. M F Kawaguchi, M Miyakoshi
A fuzzy rule interpolation technique based on B-splines in multiple input systems
In: IEEE Int. Conf. on Fuzzy Systems, 2000. 488-492
23. M Shimakawa, S Murakami
Proposal of an interpolative fuzzy inference method
INT J GEN SYST, 29: 585-604 (2000)
24. B Bouchon-Meunier, D Dubois, C Marsala, H Prade, L Ughetto
A comparative view of interpolation methods between sparse fuzzy rules
In: 9th IFSA World Congress, Vancouver, 2001. 2499-2504
25. C Marsala, B Bouchon-Meunier
Interpolative reasoning with multi-variable rules
In: 9th IFSA World Congress, Vancouver, 2001. 2476-2481
26. D Tikk, P Baranyi, T D Gedeon, L Muresan
Generalization of a rule interpolation method resulting always in acceptable conslusion
Tatra Mountains Mathematical Publications, 21: 73-91 (2001)
27. D Tikk
Saturation of α-cut based fuzzy interpolators
Australian Journal of Intelligent Processing Systems, 7: 110-113 (2001)
28. D Tikk, Gy Biró
Sugeno-Yasukawa fuzzy modelling: survey and improvements
In: 2nd International Symposium of Hungarian Researchers on Computational Intelligence, Budapest, 2001. 175-186

29. K W Wong, T D Gedeon
Fuzzy rule interpolation for multidimensional input space with petroleum engineering application
In: 9th IFSA World Congress, Vancouver, 2001. 2470-2475
30. K W Wong, T D Gedeon, P M Wong
Spatial Interpolation Using Conservative Fuzzy Reasoning
In: 9th IFSA World Congress, Vancouver, 2001. 2825-2829
31. M L Wong, Y Yam, P Baranyi
Representing membership functions as elements in function space
In: American Control Conference, 2001. 1922-1927
32. T D Gedeon, K W Wong, D Tikk
Constructing hierarchical fuzzy rule bases for classification
In: 10th IEEE International Conference on Fuzzy Systems, Melbourne, CD proc, 2001.
33. W Pan, Y Tang, Y Xu, K Qin
Local relations hold reasoning
In: IEEE International Conference on Systems, Man and Cybernetics, 2001. 2151-2156
34. D Tikk
Optimal order of convergence for α-cut based fuzzy interpolators
IOS Press: 105-110 (2002)
35. O Kaynak, K Jezernik, Á Szeghegyi
Complexity reduction of rule based models: A survey
In: Int. Conf. on Fuzzy Systems (FUZZ IEEE), Honolulu, 2002. 1216-1221
36. S Roychowdhury, W Pedrycz
Modeling temporal functions with granular regression and fuzzy rules
FUZZY SET SYST, 126: 377-387 (2002)
37. B -W Wang, X Li, W -Y Liu, Y Shi, S -F Fang
An improvement to Kóczy's interpolative reasoning method based on Taylor Progression
In: International Conference on Machine Learning and Cybernetics, 2003. 2485-2489
38. D Dubois, H Prade, L Ughetto
A new perspective on reasoning with fuzzy rules
INT J INTELL SYST, 18: 541-567 (2003)
39. D Tikk
Notes on the approximation rate of fuzzy KH interpolators
FUZZY SET SYST, 138: 442-453 (2003)
40. D Tikk, P Baranyi
Exact trade-off between approximation accuracy and interpretability: solving the saturation problem for certain FRBSs
In: Interpretability Issues in Fuzzy Modeling, Studies in Fuzziness and Soft Computing, 2003. 587-601
41. H N Cat
Yuantifying hedge algebras and interpolation methods in approximate reasoning
In: International Conference on Fuzzy Information Processing Theories and Applications, Bejing, 2003. 105-111

42. M Shimakawa, S Murakami
Fuzzy prediction model for water demand prediction using an interpolative fuzzy reasoning method
INT J SYST SCI, 34: 775-785 (2003)

43. T Wang, F Li, L Jiang
Research on Linear Interpolative Reasoning for the Irregular Fuzzy Rule
Mini-Micro Systems, 24: 1350-1353 (2003)

44. Z Huang, Q Shen
A new fuzzy interpolative reasoning method based on center of gravity
In: 12th International Conference on Fuzzy Systems, 2003. 25-30

45. B Wang, X Shao, W Liu, Y Shi
Generalized method of fuzzy interpolative-type reasoning based on lagrange s interpolation
In: International Conference on Intelligent Mechatronics and Automation, (ICMA), Niagara Falls, 2004. 871-876

46. D -M Huang, E C C Tsang, D S Yeung
A fuzzy interpolative reasoning method
In: 3rd International Conference on Machine Learning and Cybernetics, (ICMLC) Sanghai, 2004. 1826-1830

47. M Takács
Critical Analysis of Various Known Methods for Approximate Reasoning in Fuzzy Logic Control
In: 5th International Symposium of Hungarian Researchers on Computational Intelligence, Budapest, 2004. 209-215

48. S Dale, A Bara
Solutions for Implementation of Interpolative Methods Based on Rules in Control Structures
ACAM Review Cluj-Napoca, elektronikus folyóirat: (2004)

49. T J Wang, T Lu, F Li
Research on Similarity Interpolative Reasoning for the Sparse Fuzzy Rule
Computer Science, 31: 144-147 (2004)

50. T J Wang, T Lu, F Li
Fuzzy Interpolative Reasoning Based on Geometric Similarity
Computer Science, 31: 169-171 (2004)

51. Z Huang, Q Shen
Scale and Move Transformation-Based Fuzzy Interpolative Reasoning: A Revisit
In: IEEE International Conference on Fuzzy Systems, Budapest, 2004. 623-628

52. B Wang, X Li, W Liu, V Shi
A new sparse rule-based fuzzy reasoning method
In: 4th International Conference on Hybrid Intelligent Systems, (HIS), 2005. 462-467

53. B-W Wang, R-H Li, W-Y Liu, S Yan
Simplified Kóczy s Linear Interpolative Resaoning Method Based on Taylor Progression
Mini-Micro Systems, 26: 836-840 (2005)

54. M Takács
System Behavior Change in FLC by Parameter Sliding Using Distance Based Operators

In: IEEE 3rd Conference on Computational Cybernetics, (ICCC) Mauritius, CD proc, 2005.

55. Y –, M Li, D –, M Huang, E C C Tsang, L –, N Zhang
Weighted fuzzy interpolative reasoning method
In: International Conference on Machine Learning and Cybernetics, (ICMLC) Guangzhou, 2005. 3104-3108

56. Z Huang, Q Shen
Transformation Based Interpolation with Generalized Representative Values
In: International Conference on Fuzzy Systems, (FUZZY-IEEE) Reno, 2005. 821-826

57. T Vetterlein
Spline interpolation between hyperspaces of convex or fuzzy sets
FUZZY SET SYST, 157: 2472-2481 (2006)

58. T Vetterlein, M Stepnicka
Completing fuzzy if-then rule bases by means of smoothing splines
INT J UNCERTAIN FUZZ, 14: 235-244 (2006)

59. Y Yam, M L Wong, P Baranyi
Interpolation with function space representation of membership functions
IEEE T FUZZY SYST, 14: 398-441 (2006)

60. Z Huang, Q Shen
Fuzzy interpolative reasoning via scale and move transformations
IEEE T FUZZY SYST, 14: 340-359 (2006)

61 Z C Johanyák, S Kovács: Fuzzy Rule Interpolation by the Least Squares Method, Proceedings of the 7th International Symposium of Hungarian Researchers on Computational Intelligence, Budapest, pp. 495-506 (2006)

62 Johanyák Zsolt Csaba
Fuzzy szabály-interpolációs módszerek és mintaadatok alapján történő automatikus rendszergenerálás
Ph.D. értekezés, 2007
Miskolci Egyetem, Hatvany József Informatikai Tudományok Doktori Iskola

272. L T Kóczy
Approximate reasoning and control with sparse and/or inconsistent fuzzy rule bases
In: B Reusch (ed.) Fuzzy Logic Theorie und Praxis, Berlin: Springer Verlag, 1993. pp. 42-65
Független idéző: 5

1. H Thiele
Zur strukturellen analyse von IF-THEN-Regelbasen mit Methoden der Mathematischen Logik
In: Informatik aktuell, Fuzzy Logik Theorie und Praxis, 1994. 41-49

2. H Thiele
Investigation of IF-THEN Rule Bases by Methods of Mathematical Logic: Technical Report, University of Dortmund, Department of Computer Science 1
1994.

3. H Thiele
Investigation of IF-THEN Rule Bases by Methods of Mathematical Logic
In: Int. Joint Conference of the 4th IEEE Int. Conf. on Fuzzy Systems and 2nd Int. Fuzzy Engineering Symposium, 3 Yokohama, 1995. 1391-1396

4. R Fullér
   Neural Fuzzy Systems
   In: Åbo Akademis trycker, Turku, 249 p., 1995.
5. H Thiele
   On the uniqueness of interpretations for fuzzy IF-Then rule bases
   In: Computational Intelligence. Theory and Applications, 2001. 506-525

273. J H Han, L T Kóczy, T Poston
Fuzzy Hough transform
2nd IEEE Int. Conf. on Fuzzy Systems, San Francisco, pp. 803-808. (1993)
Független idéző: 3

1. H Schmitzer
   Object recognition with the Fuzzy-Hough-Transform, and a special evaluation strategies for lines, circles and patterns
   In: Cybernetics and Systems '96 Vienna, 1996. 291-295
2. J M Keller
   Fuzzy Sets and the Management of Uncertainty in Computer Vision
   NATO ASI series F: Computer and System Sciences, 162: 434-449 (1996)
3. V Ayala-Ramirez, C H Garcia-Capulin, A Perez-Garcia, R E Sanchez-Yanez
   Circle detection on images using genetic algorithms
   PATTERN RECOGN LETT, 27: 652-657 (2006)

1992

274. . L T Kóczy
Techniques of inference on insufficient and inconsistent fuzzy rule bases
Non-Classical Logics and Their Applications, Linz, pp. 46-50. (1992)

275. L T Kóczy
Reasoning by analogy with sparse fuzzy rule bases
Spring Conference of Korea Fuzzy Mathematics and Systems Society, Seoul, pp. 5-16. (1992)
Független idéző: 1

1. S Giove, M Nordio, A Zorat
   An Adaptive Fuzzy Control Module for Automatic Dialysis
   In: 8th Austrian Artificial Intelligence Conference, (FLAI) Linz, 1993.

276. L T Kóczy
Reasoning and control, with incomplete and contradicting fuzzy rule bases
ISKIT Int. Symposium on Information Science of Kyushu Inst. of Technology, Iizuka, pp. 67-70. (1992)
Független idéző: 4

1. W Yu, Z Bien
   Design of Fuzzy Controller Based on Observations on Human
   In: 1st Asian Fuzzy Systems Symposium, Singapore, 1993.
2. W Yu, Z Bien
   Design of fuzzy controller with inconsistent rule base
   Journal of Intelligent and Fuzzy Systems: 147-159 (1994)
3. Z Bien, W Yu
   Extracting core information from inconsistent fuzzy control rules: Technical Report, Dept. of Electrical Eng., Korea Advanced Institute of Science and Technology, Taejon

1994.

4. Z Bien, W Yu
   Extracting core information from inconsistent fuzzy control rules
   FUZZY SET SYST, 71: 95-111 (1995)

277. L T Kóczy, K Hirota
Reasoning and control with incomplete and contradicting fuzzy rule bases
IEEE Int. Conf. on Fuzzy Systems (FUZZ-IEEE), San Diego, pp. 263-270. (1992)
Független idéző: 1

1. F Matía, A Jiménez, G Martinez
   Calibration of Fuzzy Control Systems
   In: IEEE Int. Conf. on Fuzzy Systems, Orlando, 1994. 7-12

278. L T Kóczy
Inference in fuzzy rule bases with conflicting evidence
Int. Conf. NAFIPS, Puerto Vallarta, pp. 608-617. (1992)

279. L T Kóczy
Fuzzy graphs in the evaluation and optimization of networks
FUZZY SET SYST 46: (3) 307-319 (1992)
IF: 0.712
Független idéző: 11

1. M El-Ghoul
   Folding of fuzzy graphs and fuzzy spheres
   FUZZY SET SYST, 58: 355-363 (1993)
2. R Fullér
   Neural Fuzzy Systems
   In: Åbo Akademis tryckeri, Turku, 1995.
3. L M Sztandera
   Fuzzy Neural Trees
   Information Sciences, 90: 157-177 (1996)
4. M El-Ghoul
   Folding of fuzzy torus and fuzzy graphs
   FUZZY SET SYST, 80: 389-396 (1996)
5. M El-Ghoul, H M Shamara
   Folding of some types of fuzzy manifolds and their retractions
   FUZZY SET SYST, 97: 387-391 (1998)
6. M El-Ghoul
   Fuzzy retraction and folding of fuzzy-orientable compact manifold
   FUZZY SET SYST, 105: 159-163 (1999)
7. M Blue, B Bush, J Puckett
   Unified approach to fuzzy graph problems
   FUZZY SET SYST, 125: 355-368 (2002)
8. M El-Ghoul
   Fractional dimension of a manifold
   CHAOS SOLITON FRACT, 14: 77-80 (2002)
9. A Boulmakoul
   Generalized path-finding algorithms on semirings and the fuzzy shortest path problem
   J COMPUT APPL MATH, 162: 263-272 (2004)
10. D Gómez, J Montero, J Yánez, C Poidomani

Painting Algorithms for Fuzzy Classification
In: IEEE International Conference on Fuzzy Systems, Budapest, 2004. 127-132

11. S Mun, oz, M T Ortun, o, J Ramírez, J Yánez
Coloring fuzzy graphs, Omega
International Journal of Management Science, 33: 211-221 (2005)

280. L T Kóczy
Analogous inference by fuzzy rules
Int. Conf. on Information and Systems, Dalian, pp. 925-938. (1992)

281. L T Kóczy, K Hirota
Analogical fuzzy reasoning and gradual inference rules
2nd Int. Conf. on Fuzzy Systems and Neural Networks, Iizuka, pp. 329-332. (1992)
Független idéző: 6

1. J Kacprzyk
Interpolative reasoning for computationally efficient optimal fuzzy control
In: 5th IFSA World Congress, Seoul, 1993. 1270-1273

2. J Kacprzyk
A prescriptive approach to fuzzy control: A step toward more mature fuzzy control?
In: 1st Asian Fuzzy Systems Symposium, Singapore, 1993.

3. J Kacprzyk
Fuzzy control with an explicit performance function using dynamic programming and interpolative Reasoning
In: 1st European Congress on Fuzzy and Intelligent Technologies (EUFIT), Aachen, 1993. 1459-1463

4. J Kacprzyk
Prescriptive approaches to fuzzy control: Yet-to-be rediscovered old jewels?
Controll & Automatica, 4: 141-157 (1994)

5. J Kacprzyk
Fuzzy dynamic programming - battling against the curse of dimensionality via interpolative reasoning
In: 3rd Int. Conf. on Fuzzy Logic, Neural Nets and Soft Computing, Iizuka, 1994. 245-246

6. J Kacprzyk
Multistage control of a fuzzy using a genetic algorithm
In: Joint Conference of the 4th IEEE Int. Conf. on Fuzzy Systems and 2nd Int. Fuzzy Engineering Symposium, Yokohama, 1995. 1083-1088

282. L T Kóczy, K Hirota
A fast algorithm for fuzzy inference by compact rules
In: L A Zadeh, J Kacprzyk (ed.) Fuzzy Logic for the Management of Uncertainty, New York: Wiley, 1992. pp. 297-317
Független idéző: 2

1. J Grantner
Design of event-driven real-time linguistic models based on fuzzy finite state machine for high-speed intelligent fuzzy logic controllers
1993. (Disszertáció, Kandidátus)

2. R Fullér
Introduction to Neuro-Fuzzy Systems, Advances In Soft Computing
2000.

283. Gy Vass, L Kalmár, L T Kóczy
Extension of the fuzzy rule interpolation method
Int. Conf. on Fuzzy Sets Theory & Appl., Liptószentmiklós, pp. 1-6. (1992)
Független idéző: 5

1. Z Huang, Q Shen
   A new fuzzy interpolative reasoning method based on center of gravity
   In: International Conference on Fuzzy Systems (FUZZ-IEEE) St. Louis, 2003. 25-30
2. Z Huang, Q Shen
   Scale and Move Transformation-Based Fuzzy Interpolative Reasoning: A Revisit
   In: IEEE International Conference on Fuzzy Systems (FUZZ-IEEE), Budapest, 2004. 623-628
3. Z C Johanyák, S Kovács
   A Brief Survey and Comparison on Various Interpolation Based Fuzzy Reasoning Methods
   ACTA POLYTECH HUNG, 1: 61-76 (2006)
4. Z Huang, Q Shen
   Fuzzy interpolative reasoning via scale and move transformations
   IEEE T FUZZY SYST, 14: 340-359 (2006)
5. Johanyák Zsolt Csaba
   Fuzzy szabály-interpolációs módszerek és mintaadatok alapján történő automatikus rendszergenerálás
   Ph.D. értekezés, 2007
   Miskolci Egyetem, Hatvany József Informatikai Tudományok Doktori Iskola

1991

284. . LT Kóczy, K Hirota
Rule interpolation by -level sets in fuzzy approximate reasoning
BUSEFAL- BULL STUD EXCH FUZZIN APPL 46: 115-123 (1991)
Független idéző: 3

1. Z C Johanyák, S Kovács
   A Brief Survey and Comparison on Various Interpolation Based Fuzzy Reasoning Methods
   ACTA POLYTECH HUNG, 1: 61-76 (2006)
2. Z C Johanyák, D Tikk, S Kovács, K W Wong
   Fuzzy Rule Interpolation Matlab Toolbox – FRI Toolbox
   In: International Conference on Fuzzy Systems, Vancouver, CD proc, 2006.
3. Johanyák Zsolt Csaba
   Fuzzy szabály-interpolációs módszerek és mintaadatok alapján történő automatikus rendszergenerálás
   Ph.D. értekezés, 2007
   Miskolci Egyetem, Hatvany József Informatikai Tudományok Doktori Iskola

285. LT Kóczy
Computational complexity of various fuzzy inference algorithms
ANN UNIV SCI BP R EÖTVÖS NOM SECT COMPUT 1: 151-158 (1991)
Független idéző: 4

1. A Dvorák
   Computational Properties of Fuzzy Logic Deduction
   In: Computational Intelligence Theory and Applications, 1997. 189-196

2. D Tikk, Gy Biró
   Sugeno-Yasukawa fuzzy modelling: survey and improvements
   In: 2nd International Symposium of Hungarian Researchers on Computational Intelligence, Budapest, 2001. 175-186
3. O Kaynak, K Jezernik, Á Szeghegyi
   Complexity reduction of rule based models: A survey
   In: Int. Conf. on Fuzzy Systems (FUZZ-IEEE), Honolulu, 2002. 1216-1221
4. G M Dimirovski, I I Lokevenc, D J Tanevska
   Applied adaptive fuzzy-nerual inference models: Complexity and integrity problems
   In: 2nd International IEEE Conference Intelligent Systems, 2004. 42-52

286. L T Kóczy, J C Fodor
Some remarks on fuzzy flip-flops
Joint Hungarian-Japanese Symposium on Fuzzy Systems and Applications, Budapest, pp. 60-63. (1991)
Független idéző: 1

1. J Grantner
   Design of event-driven real*time linguistic models based on fuzzy finite state machine for high-speed intelligent fuzzy logic controllers
   1993. (Disszertáció, Kandidátus)

287. L T Kóczy, K Hirota
Rule interpolation in approximate reasoning based fuzzy control
4th IFSA World Congress, Brussels, pp. 89-92. (1991)
Független idéző: 3

1. J Kacprzyk
   Multistage control of a fuzzy using a genetic algorithm
   In: , Int. Joint Conference of the 4th IEEE Int. Conf. on Fuzzy Systems and 2nd Int. Fuzzy Engineering Symposium, Yokohama, 1995. 1083-1088
2. D Tikk, Gy Biró
   Sugeno-Yasukawa fuzzy modelling: survey and improvements
   In: 2nd International Symposium of Hungarian Researchers on Computational Intelligence, Budapest, 2001. 175-186
3. Johanyák Zsolt Csaba
   Fuzzy szabály-interpolációs módszerek és mintaadatok alapján történő automatikus rendszergenerálás
   Ph.D. értekezés, 2007
   Miskolci Egyetem, Hatvany József Informatikai Tudományok Doktori Iskola

288. L T Kóczy
On the computational complexity of rule based fuzzy inference
NAFIPS, Columbia (Mo), pp. 87-91. (1991)

289. L T Kóczy, K Hirota, K Ozawa
Knowledge representation and accumulation by fuzzy flip- flops
FUZZY SET SYST 39: 1-13 (1991)
IF: 0.498
Független idéző: 7

1. J Grantner
   Design of event-driven real-time linguistic models based on fuzzy finite state machine for high-speed intelligent fuzzy logic controllers
   1993. (Disszertáció, Kandidátus)

2. M Mukaidono, Y Mori
   Fuzzy Logic Circuit Simulator for Sequential Circuits Expressed by Logical Formulas
   In: 1st Asian Fuzzy Systems Symposium, Singapore, 1993.
3. P Yong-Gyoo, L Kwang, Hyung
   Design of fuzzy ALU for Fuzzy Computer
   Electronic Engineering, elektronikus folyóirat: (1993)
4. Y Mori, M Shitano, M Mukaidono
   Fazi riron kairo shimurehta (FLS)-no Kaihatsu
   In: 9th Fuzzy Systems Symposium, Sapporo, 1993. 777-780
5. Y Mori, K Otsuka, Yoshikawa, M Mukaidono
   Fazi johtai sen-i gyohretsuo mochiita fazi junjo kairo sono seishitsuni tsuite
   In: 10th Fuzzy System Symposium, Osaka, 1994. 71-72
6. Y Mori, K Otsuka, M Mukaidono
   Properties of fuzzy sequential circuits using fuzzy transition matrix and their design method
   In: Int. Joint Conference of the 4th IEEE Int. Conf. on Fuzzy Systems and 2nd Int. Fuzzy Engineering Symposium, Yokohama, 1995. 2133-2138
7. M Petrik
   Concept of Edge-Controlled Many-Valued R-S Memory Circuit
   In: IEEE International Conference on Fuzzy Systems, Vancouver, CD proc, 2006.

290. L T Kóczy, K Hirota, Á Juhász
Interpolation of 2 and 2k rules in fuzzy reasoning
Fuzzy Engineering Toward Human Friendly Systems, Yokohama, pp. 206-217. (1991)
Független idéző: 1

1. D Dubois-H Prade
   Basic issues on fuzzy rules and their application to fuzzy control
   In: Fuzzy Logic and Fuzzy Control, 1994. 3-14

291. L T Kóczy, Á Juhász
Fuzzy rule interpolation and the Ruleint program
Joint Hungarian-Japanese Symposium on Fuzzy Systems and Applications, Budapest, pp. 9-14. (1991)

292. L T Kóczy
Complexity of fuzzy rule based reasoning
EURO XI, Aachen, pp. 136-137. (1991)

293. L T Kóczy, K Ohmori, K Hirota, K Ozawa
Algebraic fuzzy flip-flop circuits
FUZZY SET SYST 39: (2) 215-226 (1991)
IF: 0.498
Független idéző: 3

1. J Grantner
   Design of event-driven real-time linguistic models based on fuzzy finite state machine for high-speed intelligent fuzzy logic controllers
   1993. (Disszertáció, Kandidátus)
2. C L Chen, Y H Kuo
   Fuzzy hardware synthesis with generic LR fuzzy cells
   In: Artificial Neural Networks and Expert Systems Conference (ANNES), Dunedin, 1995. 128-131

3. M Petrik
Concept of Edge-Controlled Many-Valued R-S Memory Circuit
In: IEEE International Conference on Fuzzy Systems, Vancouver, CD proc, 2006.

294. Kóczy LT, Hirota K (ed.)
Joint Hungarian-Japanese Symposium on Fuzzy Systems and Applications: July 1-5, 1991, Budapest
Budapest: BME, 1991. 173 p.

1990

295. . L T Kóczy
Large fuzzy trees
NAFIPS Toronto, pp. 243-245. (1990)

296. L T Kóczy, K Hirota
Fuzzy inference by compact rules
Int. Conf. on Fuzzy Logic & Neural Networks, Iizuka, pp. 307-310. (1990)
Független idéző: 8

1. A Stoica
Alpha-cut mapping in fuzzy reasoning
1994. (Disszertáció, PhD)
2. C T Yang, P Baranyi, Y Yam, S Kovács
A fuzzy controller identification using SVD reduction from input-output data in an AGV steering system
In: SIC-EUROFUSE Budapest, 1999. 155-161
3. P Baranyi, Y Yam, C T Yang, A R Várkonyi-Kóczy
Complex Reduction of a rational general form
In: 8th IEEE Int. Conf. on Fuzzy Systems (FUZZ – IEEE) Seoul, 1999. 366-372
4. P Baranyi, Y Yam, P Várlaki, P Michelberger
Singular value decomposition of linguistically defined relations
International Journal of Fuzzy Systems, 2: 108-116 (2000)
5. P Baranyi, Y Yam, C Yang, A Várkonyi-Kóczy
SVD Based reduction for Subdivided rule bases
In: IEEE Int. Conf. on Fuzzy Systems (FUZZ-IEEE), San Antonio, 2000. 712-716
6. P Baranyi, I Nagy, P Korondi, H Hashimoto
General guiding model for mobile robots and its complexity reduced neuro-fuzzy approximation
In: IEEE Int. Conf. on Fuzzy Systems (FUZZ-IEEE) San Antonio, 2000. 1029-1032
7. O Kaynak, Á Szeghegyi
Time-critical applications based on fuzzy techniques
In: Int. Conf. on Inteligent Eng. Systems, (INES) Helsinki, 2001. 61-64
8. S Khor
An experimental study of a fuzzy rules reduction method using the Sugeno and Yasukawa s qualitative modeling
In: International Conference on Fuzzy Information Processing Theories and Applications, Bejing, 2003. 461-466

297. L T Kóczy, K Hirota
Digital circuits based on algebraic fuzzy operations
In: W H Janko, M Roubens, H J Zimmerman (ed.) Fuzzy Sets and Systems, Dordrecht ;

Boston: Kluwer Academic Publishers, 1990. pp. 100-114
Független idéző: 1

1. L Lemaitre, M J Patyra
   FIT Arithmetic: Toward a high performance implementation of digital fuzzy logic circuits
   In: Int. Joint Conference of the 4th IEEE Int. Conf. on Fuzzy Systems and 2nd Int. Fuzzy Engineering Symposium, Yokohama, 1995. 1627-1632

298. L T Kóczy
Complexity of bounded compact rule based fuzzy inference. towards a unified fuzzy sets theory
3rd Joint IFSA-EC and EURO-WG Workshop on Fuzzy Sets, Visegrád, pp. 59-60. (1990)

1989

299. . LT Kóczy, L Madarász, O Lisaka
Fuzzy decision-making and the planning of assembly heads for industrial robots
BUSEFAL- BULL STUD EXCH FUZZIN APPL 38: 140-151 (1989)

300. LT Kóczy, K Ozawa, K Hirota, K Omori
Discrete and continuous mode algebraic type fuzzy flip-flop circuit
BULL COLL ENG HOSEI UNIV 25: 55-63 (1989)

301. L T Kóczy
Learning by the algebraic fuzzy flip-flop
AMSE Int. Conf. on Signals and Systems, (AMSE) Brighton, pp. 11-16. (1989)

302. L T Kóczy
Fuzzy graphs in the evaluation and optimization of networks
3rd IFSA World Congress, Seattle, pp. 496-499. (1989)

303. L T Kóczy, K Ozawa, K Hirota, K Ohmori
Discrete and continuous mode algebraic fuzzy flip-flop
Conf. of the Society of Instrument and Control Eng., Tokyo, pp. 163-164. (1989)

304. L T Kóczy, K Ozawa, K Hirota, K Ohmori
Algebraic fuzzy flip-flop circuits
3rd IFSA World Congress, Seattle, pp. 651-653. (1989)

305. A K Sdaa, L T Kóczy, K Tarnay
A general timer for OSI protocols
2nd Libyan Arab Int. Conf., Tripoli, pp. 35-38. (1989)

1988

306. . L T Kóczy, A K Sdaa, K Tarnay
Timer and flow control with a joint model of OSI protocols
2nd Int. Seminar, Academy of Sciences of the GDR, Wendisch Rietz, pp. 119-147. (1988)

307. L T Kóczy
Some remarks concerning fuzzy digital circuits
2nd Joint IFSA-EC EURO-WG Workshop on Progress In Fuzzy Sets in Europe Vienna, pp. 61-65. (1988)
Független idéző: 2

1. M Bucko
   Vyuzite klasifikacnych postupov fuzzy mnozín rpi projektovaní automatizacno-technologickych pracovísk
   1989.

2. M Bucko
Spracovanie lingvisticky vyjadrenej neurcitosti
1992. (Disszertáció, Kandidátus)

308. L T Kóczy
On the description of relative position of fuzzy patterns
PATTERN RECOGN LETT 8: 21-28 (1988)
IF: 0.225
Független idéző: 14

1. L M Sztandera
Manipulating fuzzy subsets in an image plane
In: 1st European Congress on Fuzzy and Intelligent Technologies, Aachen, 1993. 216-220
2. B B Chaudhuri
Fuzzy geometry, shape and relations in image spaces: Electronics and Communication Sciences Unit, Indian Statistical Institute, Calcutta
1994.
3. K Miyajima, A Ralescu
Spatial organizaton in 2D images
In: FUZZ-IEEE Orlando, 1994. 100-105
4. A Rosenfeld
Fuzzy geometry: An updated overview
Information Sciences, 110: 127-133 (1998)
5. B B Chaudhuri
Fuzzy Geometry ans Shape Relations in Image Spaces
IETE J RES, 44: 161-175 (1998)
6. I Bloch
Fuzzy relative position between objects in image processing: New definition and properties based on a morphological approach
INT J UNCERTAIN FUZZ, 77: 99-133 (1999)
7. J M Keller, X Vang
Fuzzy rule-based approach to scene description involving spatial relationships
COMPUT VIS IMAGE UND, 80: 21-41 (2000)
8. S-R Jan, Y -C Hsueh
Primitive spatial relations based on SKIZ
IMAGE VISION COMPUT, 18: 597-605 (2000)
9. P Matsakis, J M Keller, L Wendling, J Marjamaa, O Sjahputera
Linguistic description of relative positions in images
IEEE T SYST MAN CY B, 31: 573-588 (2001)
10. I Bloch, A Ralescu
Directional relative position between objects in image processing: a comparison between fuzzy approaches
PATTERN RECOGN, 36: 1563-1582 (2003)
11. I Bloch, T Géraud, H Maitre
Representation and fusion of heterogeneous fuzzy information in the 3D space for model-based structural recognition – Aplication to 3D brain imaging
Artifical Intelligence, 148: 141-175 (2003)
12. I Bloch

Fuzzy spatial relationships for image processing and interpretation: a review
IMAGE VISION COMPUT, 23: 89-110 (2005)

13. L M Sztandera
Using fuzzy sets in scene understanding for land use classification
WSEAS Tr. on Computers, 4: (7) 736-743 (2005)

14. S M R Dehak, I Bloch, H Maitre
Spatial Reasoning with Incomplete Information of Relative Positioning
IEEE T PATTERN ANAL, 27: (9) 1473-1484 (2005)

309. L T Kóczy
Multicomponent system evaluation by uncertainty graphs
Workshop on Knowledge - Based System and Models of Logical Reasoning, Cairo (1988)

310. L T Kóczy, K Hirota, K Omori
Modeling of fuzzy memory
Workshop on Knowledge-Based Systems and Models of Logical Reasoning, Cairo (1988)

311. L T Kóczy
Fuzzy trees in distributed systems design
Int. Workshop on Fuzzy Systems Applications, Iizuka, pp. 177-178. (1988)

312. L T Kóczy
Fuzzy graphs for network evaluation
Moscow International Conference Fuzzy Sets in Informatics, Moscow, pp. 40-41. (1988)

313. L T Kóczy, K Hirota, K Ozawa
Fundamental logic in fuzzy flip-flops
19th Annual Pittsburgh Conference on Modeling and Simulation, Pittsburgh, pp. 2165-2168. (1988)

314. L T Kóczy, K Ozawa, K Hirota, K Ohmori
Discrete mode algebraic fuzzy flip-flop circuit
Int. Workshop on Fuzzy System Applications, Iizuka, pp. 39-40. (1988)

315. L T Kóczy
Die Anwendung von zufälligen Graphen für die Optimisierung der Zuverlässigkeit von hierarchischen Netzwerken
33. Internationales Wissenschaffliches Kolloquium, Ilmenau, pp. 201-204. (1988)

316. Kóczy L T, Tasnádi L, Gunyhó G, Gyúrós T
Functional tesztek a PRT berendezésében
HÍRADÁSTECHNIKA 39: 71-75 (1988)

1987

317. . LT Kóczy
Operating system of stored program controlled telephone exchanges
BUDAVOX REVIEW &: 16-27 (1987)
Független idéző: 1

1. I Szeghy
DIPEX software system
Budavox Review: 32-38 (1987)

318. . LT Kóczy, C Magyar
On the minimal axiomatic system of I-fuzzy structure
BUSEFAL- BULL STUD EXCH FUZZIN APPL 33: 19-31 (1987)

319. LT Kóczy

A function capability model of modular systems
SYST SCI 13: 64-67 (1987)

320. L T Kóczy, A K Sdaa
Timer processes in stored program controlled switching exchanges
BULL APPL MATH 87: 63-90 (1987)

321. L T Kóczy
Multiprozessorsteuersysteme in digitalen Durchschaltezentralen
32. Internationales Wissenschaffliches Kolloquium, Ilmenau, pp. 51-54. (1987)

322. Kóczy LT
Maximal availability of tree structured fault tolerant systems
In: F Belli, W Görke (ed.) Fehlertolerierende Rechensysteme/Fault Tolerant Computing Systems, Berlin ; Heidelberg ; New York ;Tokyo: Springer Verlag, 1987. pp. 314-323

323. Kóczy L T
Hierarchikus fastruktúrájú kapcsolórendszerek rendelkezésre állási problémái
1987. (Disszertáció: Kandidátus)

1986

324. LT Kóczy
About the fuzzy description of relative position of patterns
BUSEFAL- BULL STUD EXCH FUZZIN APPL 86: 58-70 (1986)

325. L T Kóczy
On tree type multiprocessor systems
SEMTRAK 86, Kraków-Janowice, pp. Dodatek 43-47. (1986)

326. L T Kóczy
Interactive formulation of fuzzy algebra and its application as a model of function capability
In: S Bocklisch, S Orlowski, M Peschel, Y Nishiwaki (ed.) Fuzzy Sets Applications, Methodological Approaches and Results, Berlin: Akademie Verlag, 1986. pp. 9-21

327. . Kóczy L T
Tárolt programvezérlésű telefonközpontok operációs rendszere
HÍRADÁSTECHNIKA 36: 394-405 (1986)

1984

328. . L T Kóczy, C Csapodi, P Seres
Fault tolerant design of remote PCM switching system
PERIOD POLYTECHNICA 28: 1-14 (1984)

1983

329. L T Kóczy, C Csapodi, P Seres
On the fault tolerant design of a remote PCM switching system
3rd Symposium on Microcomputer and Microprocessor Application Budapest, pp. 678-691. (1983)

330. L T Kóczy, C Csapodi, P Seres
Components aiding maintenance of a PCM remote switching systems
YUTEL, Ljubljana (1983)

331. . Kóczy L T
Software a kapcsolástechnikában
(1983)

1982

332. L T Kóczy
Vectorial I-fuzzy sets
In: M M Gupta, E Sanchez (ed.) Approximate Reasoning in Decision Analysis, Amsterdam ; Oxford ; New York: North-Holland Publishing Company, 1982. pp. 151-156

333. L T Kóczy
Mikroprozessorgesteuerte Testeinrichtung für elektronische Durchschaltezentralen
PERIOD POLYTECHNICA 26: 215-220 (1982)

334. L T Kóczy, M Hajnal
Classification of textures by vectorial fuzzy sets
In: M M Gupta, E Sanchez (ed.) Approximate Reasoning in Decision Analysis, Amsterdam ; Oxford ; New York ; Tokyo: North-Holland Publishing Company, 1982. pp. 157-164

335. . L T Kóczy, M Hajnal
A fuzzy approach to texture analysis
In: R Trappl, F Findler, H Horn (ed.) Progress in Cybernetics and Systems Research, Washington: Hemisphere Publishing Corporation, 1982. pp. 477-484

1981

336. L T Kóczy
Tárolt programvezérlésű telefonközpontok körüli algotritmikus kérdések
& 37: (1981)

337. L T Kóczy, J Langer
Path searching in switching networks using cellular algorithm
PERIOD POLYTECHNICA 25: 89-101 (1981)

338. L T Kóczy
Mikroprozessorgesteuerte Testeinrichtung für elektronische Durchschaltezentralen
26. Wissenschaffliches Kolloquium, Ilmenau, pp. 77-80. (1981)

339. . L T Kóczy
A mathematical model of path searching in general type switching networks
PERIOD POLYTECHNICA 25: 31-43 (1981)

1980

340. LT Kóczy
Vector valued fuzzy sets
BUSEFAL- BULL STUD EXCH FUZZIN APPL &: 41-57 (1980)
Független idéző: 1

1. R R Yager
Fuzzy Set and Possibility Theory
Pergamon Press: (1982)

341. LT Kóczy, M Hajnal
Texture analysis by vector valued fuzzy sets
BUSEFAL- BULL STUD EXCH FUZZIN APPL &: 79-94 (1980)
Független idéző: 3

1. R R Yager
Fuzzy set and possibility theory
Pergamon Press: (1982)
2. L Madarász, L Kovác, M Kovác, J D Simsik

Application of fuzzy decision making in automatized designing of robot technological complexes
BULL APPL MATH, 204: 55-67 (1983)

3. L Madarász
Problémy situacného riadenia elektrizacnej sústavy
Elektrotechniky casopis, 35: 426-436 (1984)

342. L T Kóczy
Path searching algorithms for swithching networks and realizations with cellular processors
1st Border Meeting of PAMM and Vojvodina Applied Mathematical Meetings, Novi Sad (1980)

343. L T Kóczy, M Hajnal
A fuzzy approach to texture analysis
5th European Meeting on Cybernetics and Systems Research, Vienna, pp. 1-4. (1980)

344. . Kóczy L T
Útkeresési algoritmusok realizációja sejtterekkel
X. Magyar Operációkutatási Konf., Debrecen (1980)
Független idéző: 1

1. L Madarász, M Kovác, J Kovác, D Simsik
Application of fuzzy decision making in automatized designing of robot technological complexes
BULL APPL MATH, 204: 55-67 (1983)

1979

345. L T Kóczy, L Györfi
An algorithm for nonarametric decision motivated by fuzzy approach
PROBL CONTROL INF THEOR 8: 229-238 (1979)

346. L T Kóczy
A mathematical model of path searching
9th International Teletraffic Congress, Torremolinos, pp. Kóczy1-6 (1979)

347. . Kóczy L T
Szabadútkeresés kapcsolóhálózatokban
IX. Magyar Operációkutatási Konf., Győr (1979)

1978

348. L T Kóczy
Some questions of sigma-algebras of fuzzy objects of type N
In: R Trappl, De P Hanika, P Pichler (ed.) Progress in Cybernetics and Systems Research 5, Washington: Hemisphere Publishing Corporation, 1978. pp. 536-541
Független idéző: 1

1. M M Gupta, B K Ragade, R R Yager
Advances in fuzzy set theory and applications
1979.

349. L T Kóczy
Interactive-algebras and fuzzy objects of type N
J CYBERN 8: 273-290 (1978)
IF: 0.233

350. L T Kóczy

Ein Wegesuchalgorithmus für Durchschaltenetzwerke
23. Internationales Wissenschaffliches Kolloquium, Ilmenau, pp. 133-136. (1978)

351. . L T Kóczy, M Hajnal, I Loványi, L Vajta, A Naszlady
A General - purpose optical data processing system and its biomedical applications
Biosigma 78th International Conference on Signals and Images in Medicine and Biology, Paris, pp. 455-462. (1978)

1977

352. . L T Kóczy, M Hajnal
A new fuzzy calculus and its applications as a pattern recogniton technique
In: J Rose, C Bilciu (ed.) Modern Trends in Cybernetics and Systems 2, Berlin ; Heidelberg ; New York: Springer Verlag, 1977. pp. 103-118
Független idéző: 15

1. B R Gaines, L J Kohout
   The fuzzy decade: a bibliography of fuzzy systems and closely related topics
   INT J MAN MACH STUD, 9: 1-68 (1977)
2. B R Gaines
   Foundations of fuzzy reasoning
   INT J MAN MACH STUD, 8: 623-668 (1977)
3. B R Gaines, L J Kohout
   A bibliography of fuzzy systems theory and closely related topics: Technical Report, Univ. of Essex
   1977.
4. C V Negoita, D A Ralescu
   Applications of fuzzy sets to systems analysis
   1977.
5. A Kandel, W J Byatt
   Fuzzy sets, fuzzy algebra and fuzzy statistics
   Proceedings of the IEEE 66, 12: 1619-1639 (1978)
6. B R Gaines
   General fuzzy logic
   In: Progress in Cybernetics and Systems Research 3, 1978. 270-275
7. B R Gaines
   Fuzzy reasoning and the logics of uncertainty: Technical Report, Univ. of Essex
   1978.
8. P Albert
   The algebra of fuzzy logic
   International Journal of Fuzzy Sets and Systems, 1: 203-230 (1978)
9. A Kandel, S C Lee
   In: Fuzzy switching and automata: theory and applications, 1979.
10. M M Gupta, B K Ragade, R R Yager
    Advances in fuzzy set theory and applications
    1979.
11. A Kaufmann
    Bibliograpie sur les sousensembles flous
    BUSEFAL: (Printemps) 84-102 (1980)
12. D Dubois, H Prade

Fuzzy sets and systems, theory and applications
1980.

13. B N Chatterji
Character recognition using fuzzy similarity relations
In: Approximate Reasoning in Decision Analysis, 1982. 131-137

14. J Maiers, Y S Sherif
Applications of fuzzy set-theory
IEEE T SYST MAN CY B, 15: 175-189 (1985)

15. W Karwowski
Fuzzy modelling of stresses in manual lifting tasks
ERGONOMICS, 27: 641-649 (1985)

353. L T Kóczy, M Hajnal
A new attempt to axomatize fuzzy algebra with an application example
PROBL CONTROL INF THEOR 6: 47-66 (1977)
Független idéző: 3

1. J Drewniak
Basic operations with fuzzy sets from the point of fuzzy logic
BULL APPL MATH, 45: (79) 81-104 (1979)

2. Mikecz T, Fazekas Á
A modern heurisztikáról
KAMM Füzetek, 80: 93-115 (1979)

3. V Novák, J Nekola
Basic operations with fuzzy sets from the point of fuzzy logic
BUSEFAL: 75-83 (1983)

354. Kóczy LT
On some basic theoretical problems of fuzzy mathematics
ACTA CYBERN (BRATISL) 3: 225-237 (1977)
Független idéző: 5

1. J Drewniak
Axiomatic systems in fuzzy algebra
BULL APPL MATH, 45: (79) 81-104 (1979)

2. L Madarász
Riadenie organizacnych systémov: Vysoka Skola Technicka Kosice, egyetmi jegyzet
1980.

3. L Madarász
Základné principy situacného riadenia
1982. (Disszertáció, Kandidátus)

4. J Drewniak
Binary operations on fuzzy sets
BUSEFAL: 69-74 (1983)

5. E Czogala, J Drewniak
Associative monotonic operations in fuzzy set theory
FUZZY SET SYST, 12: 249-269 (1984)

355. Kóczy LT, Hajnal M
Cluster analysis in karyometry applying a new fuzzy alagebra
In: Perkins WJ (ed.) Biomedical computing, Tunbridge Wells: Pitman Medical, 1977. pp. 103-111

Független idéző: 3

1. M M Gupta, B K Ragade, R R Yager
   Advances in fuzzy set theory and applications
   1979.
2. A Kaufmann
   Bibliograpie sur les sousensembles flous (suite)
   BUSEFAL: 84-102 (1980)
3. S Gottwald
   Fuzzy - Mengen und ihre Anwendungen. Ein Überblick
   Elektronische Informationsverabeitung und Kybernetik, 4: 207-235 (1981)

356. Kóczy L T
Mire használható a matematika a telefonközpontok vezérlésében?
KÖZÉPISKOLAI MATEMATIKAI LAPOK 54: 97-103 (1977)

357. Kóczy L T, Hajnal M
Fuzzy matematikai modellezési módszerek
VII. Magyar Operációkutatási Konf., Pécs, pp. 116-118. (1977)

1976

358. . L T Kóczy
Some question of interactive fuzzy σ- -algebras
BULL APPL MATH 5: (76) 1-18 (1976)
Független idéző: 2

1. B R Gaines, L J Kohout
   The fuzzy decade: a bibliography of fuzzy systems and closely related topics
   INT J MAN MACH STUD, 9: 1-68 (1977)
2. Mikecz T, Fazekas Á
   A modern heurisztikáról
   KAMM Füzetek, 80: 93-115 (1979)

359. L T Kóczy, M Hajnal
A karyometric classification algorithm based on R-fuzzy set calculus
2nd National Meeting on Biophisics and Biotechnology in Finland, Espoo, pp. 39-42. (1976)
Független idéző: 2

1. M M Gupta, K B Ragade, R R Yager
   Advances in fuzzy set theory and applications
   1979.
2. A Kaufmann
   Bibliograpie sur les sousensembles flous (suite)
   BUSEFAL: (Printemps) 84-102 (1980)

360. Kóczy L T
Fuzzy algebrák és műszaki alkalmazásaik néhány kérdése, egyetemi doktori értekezés
1976. (Disszertáció: Egyetemi doktor)
Független idéző: 3

1. P Albert
   The algebra of fuzzy logic
   FUZZY SET SYST, 1: 203-230 (1978)
2. J Drewniak
   Axiomatic systems in fuzzy algebra

BULL APPL MATH: 81-104 (1979)

3. M M Gupta, K B Ragade, R R Yager
   Advances in fuzzy set theory and applications
   1979.

361. Kóczy L T
Az R-fuzzy algebra, A rosszul definiált problémák objektív leíró rendszere
INFORMÁCIÓ ELEKTRONIKA 11: 191-198 (1976)
Független idéző: 1

1. Mikecz T, Fazekas Á
   A modern heurisztikáról
   KAMM Füzetek, 80: 93-115 (1979)

1975

362. . L T Kóczy
R-Fuzzy algebra as a generalized formulation of the intuitive logic: Tech. Report. Dept. of Process Control, Tech. Univ. of Budapest
(1975)
Független idéző: 7

1. A Kaufmann
   Introduction á la théorie des sous-ensembles flous á l usage des ingénieurs 1
   1977.
2. B R Gaines, L J Kohout
   The fuzzy decade: a bibliography of fuzzy systems and closely related topics
   INT J MAN MACH STUD, 9: 1-68 (1977)
3. B R Gaines, L J Kohout
   A bibliography of fuzzy systems theory and closely related topics: Man-Machine Systems Laboratory, Dept. of Engineering Science, Univ. of Essex. Colchester
   1977.
4. A Kandel, W J Byatt
   Fuzzy sets, fuzzy algebra and fuzzy statistics
   Proceedings of the IEEE, 66: 1619-1639 (1978)
5. A Kandel, S C Lee
   Fuzzy switching and automata: Theory and applications
   1979.
6. M M Gupta, K B Ragade, R R Yager
   Advances in fuzzy set theory and applications
   1979.
7. A Kaufmann
   BUSEFAL: (Printemps) 84-102 (1980)

363. L T Kóczy, M Hajnal
Cluster analysis in the caryometry applying a new fuzzy algebra
15th Anniversary International Conference of the Biological Engineering Society, Edinburgh (1975)

364. L T Kóczy, M Hajnal
A new fuzzy calculus and its application as a pattern recognition technique
3rd Int. Congr. of Cybernetics and Systems, Bucharest, pp. 511-549. (1975)
Független idéző: 1

1. U C Benz
A Fuzzy Block Adaptive Quantizer (FBAQ) for Synthetic Aperture Radar
In: International Conference on Fuzzy Systems (FUZZ-IEEE), Orlando, 1994. 1006-1009

365. Kóczy L T
A Pascal-tetraéder
KÖZÉPISKOLAI MATEMATIKAI LAPOK 51: 1-9 (1975)