
REFERENCES

1. Agarwal R.C., [1987], *Design Procedure. Transformers*, BHEL, Tata Mc Graw Hill, New Delhi, pp. 165-190.
2. Athalye K., Edwards A. D., Manoranjan V. S. and Lazaro A. S., [1993], *On designing a fuzzy control system using an optimization algorithm*. Fuzzy Sets and Systems, 56(3), pp. 281-290.
3. B.P.B editorial Board, [1993], *Coils and Transformers*. B.P.B. Publications. New Delhi.
4. Balazinski M., Bellerose M. and Czogala E., [1994], *Application of fuzzy logic techniques to the selection of cutting parameters in machining processes*. Fuzzy Sets and Systems, 63(3), pp.307-317.
5. Bhaskar Raj A. S., [1996], *Adding The Power of Human Thinking To Computers*. EFY Enterprises Pvt. Ltd., New Delhi, New Delhi, pp.67-71.
6. Braae M. and Rutherford D.A., [1979], *Selection of Parameters for a Fuzzy Logic Controller*. Fuzzy Sets and Systems, 2, pp. 185-199.
7. Chaturvedi D. K., Sahani V., Satsangi P. S. and Kalra P. K., [1997], *Applications of Fuzzy Logic in Modelling And Simulation of Rotating Electrical Machines*. Intern. Conf. On Computer Applications In Electrical Engineering, Recent Advances, Roorkee (India), pp.151-157.
8. Cheok K. C., Kobayashi K., Scaccia S. and Scaccia G., [1996], *Fuzzy Logic-Based Smart Automatic Windshield Wiper*. IEEE Control Systems, pp.28-34.
9. Cox E., [1998], *The Fuzzy Systems Handbook-A Practitioners Guide to building, using and maintaining Fuzzy Systems*. AP-Professional, Boston, pp.45-469.
10. Crompton A.B., [1983], *Theory of Transformer Design Principles*. Mc Millan Press Ltd., pp.18-60.
11. Da Ruan (ed.), [1996], *Fuzzy Logic Foundation and Industrial Applications*. Kluwer Academic Publishers, Boston.
12. Diamond P. and Kloeden P., [1993], *The parameterization of fuzzy sets by single valued mapping*. In [173].
13. Doherty P., Driankov D. and Hellendoorn H., [1993], *Fuzzy if-then-unless rules and their implementation*. Intern. J. of Uncertainty, Fuzziness and Knowledge-Based Systems, 1(2), pp. 167-182.

14. Driankov D., [1990], *Time for Some Fuzzy Thinking*. Internal Report Siemens A.G., Munich.
15. Driankov D., Hellendoorn H and Reinfrank M., [1996], *An Introduction to Fuzzy Control*. Narosa Publishing House, New Delhi, pp. 1-36,37-144.
16. Dubois D., Prade H. and Yager R.R., (eds.), [1997], *Readings in Fuzzy Sets For Intelligent Systems*. Morgan Kaufmann Publishers, Inc. SM, California.
17. E. Lowdon “ *Practical Transformer Design Handbook* ,” B.P.B. publications, Delhi, ch.3,5-8. pp.30-156,1985.
18. Ekel P., Pedrycz W.and Schinzingher R., [1998], *A general Aprroach to solving a wide class of fuzzy optimization problems*. Fuzzy Sets and Systems, Elsevier, NH, vol.97, pp.56-59.
19. Fathi M.and Lambrecht M., [1995], *EBFLATSY : A fuzzy logic system to calculate and optimize parameters of electron beam welding machine*. Fuzzy Sets and Systems (69), pp.3-13.
20. Fedrizzi M., Kacprzyk J. and Roubens M., (eds.), [1991], *Interactive Fuzzy Optimization*. Springer-Verlag, New York.
21. Feinberg R. (Ed.), [1983], *Modern Power Transformer Practice*. Mc Millan Press Ltd., London, pp.1-16, 61-137.
22. Flanagan W.M., [1989], *Handbook of Transformer Applications*. Mc Graw Hill Book Co., New Delhi.
23. Fuller R., [1984], *Fuzzy Mapping and their properties*. Hungarian J. of Math., 10, pp.353-357.
24. *Fuzzy Logic - One Step Ahead*, [1996], An Article contributed by Videocon International Ltd, India, pp.11-13.
25. Gahler S. and Gahler W., [1994], *Fuzzy real numbers*. Fuzzy Sets and Systems, 66(2), pp. 137-158.
26. Gaines B. R., [1983], *Precise past, fuzzy future*. Intern. J. of Man-Machine Studies, 19(1), pp. 117-134
27. Gibbs J.B., [1970], *Transformers: Principle and Practice*. Mc Graw Hill Book Co., London.
28. Giles R. [1988a], *The concept of grade of membership*. Fuzzy Sets and Systems. 25(3), pp.297-323.

29. Goldberg A.F., Kassakian J.G and Schlecht M.F., [1989], *Issues Related to 1-10 MHz Transformer Design*. IEEE, Trans. on Power Electronics, Vol.4, No.1, pp.113-123.
30. Gottwald S., [1993], *Fuzzy Sets and Fuzzy Logic*. Verlag Vieweg, Wiesbaden (Germany).
31. Grossner N.R., [1967], *Transformer for electronic circuits*. Mc Graw Hill, New York, pp. 1-24.
32. Guillemin P., [1994], *Universal motor control with fuzzy logic*. Fuzzy Sets and Systems, 63(3), pp.339-348.
33. Halse S.V., Kulkarni A.B., Sawant S.R and Mudholkar R.R., [2002], *Fuzzy Controlled Phase Locked Loop*. Research J. of IETE, New Delhi, [Accepted for publication].
34. Hanamane M.D., Mudholkar R.R., Sawant S.R. and Tenghshe G.G., *Implementation of Temperature Control with Fuzzy Logic*. NSI-24. Proc. on Instrumentation, Goa, 2000, pp.48-49.
35. Hayashi K. and Oteubo A., [1998], *Simulator for studies of fuzzy control methods*. Fuzzy Sets and Systems, Elsevier, NH, vol.93, pp. 137-144.
36. Hirota K and Ozawa K., [1989], *Fuzzy flip-flops and fuzzy registers*. Fuzzy Sets and Systems, 32, pp.139-148.
37. Hirota K., (ed.), [1993], *Industrial Applications of Fuzzy Technology*. Springer-Verlag, New York.
38. Hiroto K. and Pedrycz W. [1991], *Designing sequential systems with fuzzy J-K flip-flops*. Fuzzy Sets and Systems 39:261-278.
39. Ibrahim A.M., [1996], *Introduction to Applied Fuzzy Electronics*. Prentice-Hall, New Jersey, pp.1-96.
40. Journal of Technology, IED, [1994], *Fuzzy Logic Widens Its Appeal To Industrial Controls*. IEEE Control systems, pp.73-78.
41. Kenneth L.G. and Kenneth R. E., [1983], *Transformers*. D.B. Taraporevala Sons & Co. Pvt. Ltd., Bombay.
42. Kevin Self Correspondent, [1990], *Designing With Fuzzy Logic*. IEEE Spectrum, pp.42-44, 105.
43. Kim H., Noh H., Kim S. and Park M.. [1992]. *Cooperative mobile robot using fuzzy algorithm*. In Proc. of 2nd Int. Conf. on Fuzzy Logic and Neural Networks, pp.452-456.

44. Klir G.J.and Folger T.A., [2000], *Fuzzy Set, Uncertainty, and Information*. PHI Pvt. Ltd., New Delhi, pp.1-33, 231-290.
45. Klir G.J.and Yuan B. [1997], *Fuzzy Sets and Fuzzy Logic*. Prentice-Hall of India, New Delhi, pp.11-338.
46. Kosko B. and Isaka S., [1993], *Fuzzy Logic*. Scientific American, pp. 62-67.
47. Kulkarni S .V., [1994], *Fuzzy Logic and its Applications, Trends*. EFY Enterprises Pvt. Ltd., New Delhi, New Delhi, pp.50-54.
48. Kumbhojkar H.V., [1997], *Coping With Reality With Fuzzy Sets*. Mathematics Newsletter, India, Vol.3, pp.60-66.
49. Larsen P.M., [1981], *Industrial Applications of Fuzzy Logic Control*. In [5], pp.335-342.
50. Lee R., [1983], *Transformer And Inductor Design Handbook*. Dekkar, New York.
51. Lee. C. C. [1979a], *Selection of parameters for a fuzzy logic controller*. Fuzzy Sets and Systems. 2(3), pp. 185-199.
52. Liou T. and Wang M., [1992a], *Fuzzy weighed average: An improved algorithm*. Fuzzy Sets and Systems. 49(3). pp. 307-315.
53. Lowdon E., [1989], *Practical Transformer Design Handbook*. B.P.B. Publications, Dehli, pp.30-156.
54. Lowen R. [1996], *Fuzzy Set Theory: Basic Concepts, Techniques and Bibliography*. Kluwer Academic Publishers, Netherlands.
55. M. C. Sharma, "Desinging Coils and Transformers", B.P.B. publications, Delhi, ch.3,5-8. pp.30-156,2003.
56. Mamdani E.H. and Gaines B.R. (eds.), [1981], *Fuzzy Reasoning and Its Applications*. London, Academic Press, pp. 325-334.
57. Marcel D., [1988], *Transformer and Inductor Design Handbook*. Cononel W.T. Mc Lyman, New York.
58. Matlab, 'The Fuzzy Tool Box: users guide ', The Math Works, Inc., ma., USA, 1999.
59. Mc Lyman, W. T., [1982], *Magnetic Core Selection for Transformers and Inductors*, Dekker, New York.
60. Mudholkar R.R. and Sawant S.R., [2000], *Simulation of Fuzzy Logic Gates [SoFLG]*. Proc. on Soft Computing and Information Technology, 2000, Bilspur, pp.23-24.

61. Mudholkar R.R. and Sawant S.R., [2001], *Fuzzy Logic-An Ingenious Information Processing Tool*. STANCE-2001, Shivaji University, Kolhapur, pp.1-2.
62. Mudholkar R.R. and Sawant S.R., [2002], *Fuzzy Logic Transformer Build Estimation*. IEEE, Trans. on Industrial Electronics, Vol.49, No.1.,pp.264-267.
63. Mudholkar R.R., [1995], *Transformer Design-A Software Approach*. (MPhil. Dissertation), Shivaji University, Kolhapur, India, pp. 1-62.
64. Mudholkar R.R., Sawant S.R., Tengshe G.G., Deorukhkar K.S.and Hanamae M.D., *Fuzzy Logic Antenna Parameter Modifier [FLAPM]*, Proc. of ASPYM-2000, Cochin, India, pp.321-324.
65. Mudholkar R.R., Sawant S.R.,Tengshe G.G and.Bagwan A.B, [1999], *Fuzzy Logic Transformer Design Algorithm (FLTDA)*. Active and Passive Elec.Comp., Overseas Publishers Association, N.V., vol.22, pp. 17-29.
66. Mudholkar R.R.,Nagnur B.S, Mulla M.D.and Sawant S.R., *Fuzzy Logic Signal Simulation [FLSS]*. Proc. on Digital Signal Processing, Two Days Seminar, Karnataka University, Dharwad, 2001. pp.37-39.
67. Nordenberg H.M., [1984], *Electronic Transformers*. Reinhold Publishing Corporation, New York.
68. Novak C.V., [1991], *Fuzzy logic, fuzzy sets and natural languages*. Intern. J. of General Systems, 20(1), pp. 83-97.
69. Otto. K. N. and. Antonsson E. K., [1993b], *Tuning parameters in engineering design*. ASME J. of Mechanical Design, 115(1). pp. 14-19.
70. Peters L., Guo S. and Campsano R., [1995], *A novel analog fuzzy controller for intelligent sensors*. Fuzzy Sets and Fuzzy Systems, 70, pp.235-248.,
71. Prade H. and Negoita C. V, (eds.), [1986], *Fuzzy Logic in Knowledge Engineering*. Verlag TUV Rheinland, Koln.
72. Rescher N., [1969], *Many-Valued Logic*. McGraw-Hill, New York.
73. S.K. Biswas, “*Simplified Design of Chokes*”. Electronics for you, Delhi, pp.25-27, Sept.1982
74. S.K. Biswas, “*Simplified Design of Coils*”. Electronics for you, Delhi, pp.19-21,Jan.1984
75. Saraf K. K., [1998], *Fuzzy Logic Washing Machine, General Articles*. pp.1-15.
76. Sawant S.R., Mudholkar R.R., Tengshe G.G., Mohite-Patil B.T., Kulkarni A.B. and Halse S.V., [2001], *Fuzzy Logic Speed Control System [FLSCS] for DC Motors*. Journal of Instrument Society of India, Vol.31, No.2, pp.87-99.

77. Sawant S.R., Visapurkar S.S. and Mudholkar R.R., [2002], *Fuzzy IC Voltage Regulator [FICVR]*. J. of Shivaji University, Kolhapur.
78. Schwartz D. G. and Klir G., [1992], *Fuzzy logic flowers in Japan*. IEEE Spectrum, 19(2), pp. 32-35.
79. Sharma M.C. "Designing Coils and Transformers", B.P.B. Publications, New Delhi, 2003.
80. Shaw Ian S., [1999], *Fuzzy Control of Industrial Systems-Theory and Applications*. Kluwer Academic Publishers, Boston, pp. 55-178.
81. Shragowitz E., Lee J. Y. and Kang E. Q., [1998], *Application of Fuzzy Logic in Computer-Aided VLSI Design*. IEEE Transactions on Fuzzy Systems, Vol.6, No.1, pp.163-172.
82. Singh J., [1999], *Fuzzy Logic and its Advantages, Automation*, EFY Enterprises Pvt. Ltd., New Delhi, New Delhi, pp.68-72.
83. Smets P. and Magrez P., [1988]. *The measure of the degree of truth and the grade of membership*. Fuzzy Sets and Systems. 25(1), pp. 61-72.
84. Sugeno M., Murofushi T., Mori T., Tatematsu T. and Tanaka, J., [1989], *Fuzzy algorithmic control of a model car by oral instructions*. Fuzzy Sets and Systems, 32, 207-219.
85. Sugeno. M. and Yasuawa T., [1993], *A fuzzy-logic based approach to qualitative modeling*. IEEE Trans. on Fuzzy Systems, 1(1), pp. 7-31.
86. Sugeno. M. and Yasukawa T., [1993], *A fuzzy-logic based approach to qualitative modeling*. IEEE Trans. on Fuzzy Systems, 1(1), pp. 7-31.
87. Suzuki H., [1993], *Fuzzy sets and membership functions*. Fuzzy Sets and Systems, 58(2), pp. 123-132,
88. Tanaka K. (Translated by Tiimira T.), [1997], *An Introduction to Fuzzy Logic for Practical Applications*. Springer-Verlag, New York, pp.86-136.
89. Terano T. Asai K. and Sugeno M., [1994], *Applied Fuzzy Systems*. AP Professional. New York.
90. Tilli T., [1994], *High performance software implementations of fuzzy logic algorithms*. Fuzzy Sets and Systems, 66(2), pp. 233-240.
91. Uemura Y., [1993a], *A simple decision rule on fuzzy events*. Cybernetics and Systems, 24(5), pp. 509-521.



92. Yager R. R. and. Filev D. P., [1994a], *Essentials of Fuzzy Modeling and Control*. John Wiley, New York.
93. Yager R. R., [1989a], *On usual values in commonsense reasoning*. Fuzzy Sets and Systems, 30(3), pp. 239-255.
94. Yamakawa T., [1988], *High-speed fuzzy controller hardware system*. Information Sciences. 45(2), pp.113-128. 1623.
95. Zadeh L.A., [1979], *Fuzzy sets and information granularity*. In Advances in Fuzzy Set Theory and Applications, M.M. Gupta, R.K. Ragade and R.R. Yager, (eds.), Amsterdam: NH, pp.3-18.
96. Zadeh L.A., [1984], *Making Computers think like people*. IEEE Spectrum, pp.26-32.
97. Zimmermann H.J., [1996], *Fuzzy Set Theory and its Applications*. Academic Publishers, Boston.