

LIST OF INTERVAL ANALYSIS PUBLICATIONS

Monograph and an article in an encyclopedia

1. L. Kolev. "Interval Methods for Circuit Analysis". World Scientific, Singapore, New Jersey, London, 1993 (pp.307).
2. L. Kolev. "Interval Analysis for Circuits". Encyclopedia of Electrical and Electronics Engineering. John Willy and Sons, Inc., New-York, 1999, vol. 10, pp. 673-686.

Papers

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2. L.V.Kolev, Interval analysis: a new tool for modelling and simulating systems. Proceedings *Int. AMSE Conf. "Modelling and Simulation"*, Athens, June 27-29, 1984, vol.1.3, pp.69-82.
3. L.V.Kolev. Global constrained optimization via interval analysis techniques. Proceedings *Int. AMSE Conf. "Modelling and Simulation"*, Athens, v.1.3, June 27-29, 1984, pp. 175-188.
4. Kolev L. V., On the application of interval analysis in circuit theory, *Radioelectronics* (Proc. of Higher Institutes, Moscow), vol. 29, N 7, 1986, pp. 11 – 19.
5. Kolev L.V., V.Mladenov, S.Vladov. Interval mathematics algorithms for tolerance analysis. *IEEE Tr: on CAS*, v.35, No 8, 1988, pp. 967-975.
6. Kolev L.V., S.S.Vladov. Linear circuit tolerance analysis via systems of linear interval equations. In "*Proc. on 6-th International Symposium on Networks, Systems and Signal Processing, ISYNT*", June 28 - July1, 1989, pp.57-69, Zagreb, Yugoslavia.
7. Kolev L. V., Modified mean-value interval forms, *J. of Comp. Mathematics and Theoretical Physics* (Russian academy of sciences), v. 29, N 10, 1989, pp. 1443 – 1457.
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11. Kolev L.V. On the stability of interval dynamic systems. Intern. Summer School on Mathematical modelling and Scientific computation, Albena, Bulgaria, Sept. 23-28, 1990, pp. 27-36.
12. L.Kolev. Approximate solution to a dynamic worst-case tolerance analysis problem. *Int. J. of Circuit Theory and Appl.*, vol. 20, 1992, pp. 649-661.

13. L.Kolev. An interval first-order method for robustness analysis. *Proceedings of the IEEE ISCAS*, Chicago, 1993, pp. 2522-2524.
14. L.Kolev. Approximate solution of a transient tolerance problem for linear circuits. *IEEE Trans. on CAS*, 1993, pp.1-13.
15. L.Kolev, V.Mladenov. An interval method for global nonlinear DC circuit analysis. *Intern. J. of Circuit Theory and Appl.* 1994, pp. 233-241.
16. V.Mladenov, L.Kolev. Interval method for solving cellular neural network (CNN) equations. *Proc. of the Third Int. Conf. on Electronics, Circuits and Systems, ICECS'96*, 13-16 Oct., 1996, Rodos, Greece, pp. 417-420.
17. L.Kolev. Use of interval slopes for the irrational part of factorable functions. *Reliable Computing*, v. 3, 1997, pp. 83-93.
18. L.Kolev, V.Mladenov. Use of interval slopes in implementing an interval method for global nonlinear DC circuit analysis. *Int. J. of Circuit Theory and Appl.* vol. 25, 1997, pp. 37-42.
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