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Research interest: Representation theory of Kac-Moody algebras.

Recent publications:

- [1] T. Šikić: "An Extension of the Classical Gauss Series-product Identity by Fermionic Construction of \hat{sl}_n ", arXiv:0712.0265v1, 21 pages.
- [2] T. Šikić: "Z-Gradations of Classical Affine Lie Algebras and Kac Parameters", **Communications in Algebra, Vol 32, No. 8**, pp 2987-3016, 2004.

Selected publications:

- [1] K.Ćosić,I.Kopriva,T.Šikić: "The Methodology for Digital Real Time Simulation of Dynamic Systems Using Modern DSP's", JOURNAL Simulation Practice and Theory,Vol 5,1997,pp137-151.
- [2] S.Radas,T.Šikić: "A Note on the Generalization of Hua's Inequality", **Tamkang Journal of Mathematics, Vol 28, No4**,1997, pp 321-323.
- [3] H.Šikić, T.Šikić: "A note on Ostrowski's inequality", **Mathematical Inequalities & Applications, Vol 4, No2**, 2001, pp 297-299.