

Vjekoslav Kovač

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PhD University of California, Los Angeles, 2011

Research interest: Harmonic analysis on Euclidean spaces (particularly time-frequency analysis and multilinear singular integrals); Applications of real analysis to ergodic theory, stochastic processes, and nonlinear scattering.

Recent publications:

- [1] V. Kovač: „Quantitative norm convergence of double ergodic averages associated with two commuting group actions“, **to appear in Ergodic Theory Dynam. Systems.**
- [2] V. Kovač, K. A. Škreb: „One modification of the martingale transform and its applications to paraproducts and stochastic integrals“, **to appear in J. Math. Anal. Appl.**
- [3] F. Bernicot, V. Kovač: „Sobolev norm estimates for a class of bilinear multipliers“, **Commun. Pure Appl. Anal. 13 (2014), no. 3, 1305 – 1315.**
- [4] V. Kovač, C. Thiele: „A $T(1)$ theorem for entangled multilinear dyadic Calderón-Zygmund operators“, **Illinois J. Math. 57 (2013), no. 3, 775 – 799.**

Selected publications:

- [1] V. Kovač: „On a trilinear form related to the Carleson theorem“, **J. Math. Anal. Appl. 405 (2013), no. 1, 220 – 226.**
- [2] V. Kovač: „Uniform constants in Hausdorff-Young inequalities for the Cantor group model of the scattering transform“, **Proc. Amer. Math. Soc. 140 (2012), no. 3, 915 – 926.**
- [3] V. Kovač: „Boundedness of the twisted paraproduct“, **Rev. Mat. Iberoam. 28 (2012), no. 4, 1143 – 1164.**
- [4] V. Kovač: „Bellman function technique for multilinear estimates and an application to generalized paraproducts“, **Indiana Univ. Math. J. 60 (2011), no. 3, 813 – 846.**