# Departmental List of Publications for the Year 2004

[1] Christer Bennewitz and Yoshimi Saitō. Approximation numbers of Sobolev embedding operators on an interval. *J. London Math. Soc. (2)*, 70(1):244–260, 2004.

[2] Alexander Blokh, Chris Cleveland, and Michał Misiurewicz. Expanding polymodials. In *Modern dynamical systems and applications*, pages 253–270. Cambridge Univ. Press, Cambridge, 2004.

[3] Alexander Blokh and Lex Oversteegen. Backward stability for polynomial maps with locally connected Julia sets. *Trans. Amer. Math. Soc.*, 356(1):119–133 (electronic), 2004.

[4] Alexander Blokh and Lex Oversteegen. Wandering triangles exist. *C. R. Math. Acad. Sci. Paris*, 339(5):365–370, 2004.

[5] B. M. Brown and R. Weikard. The inverse resonance problem for perturbations of algebro-geometric potentials. *Inverse Problems*, 20(2):481–494, 2004.

[6] J. J. Buckley. Uncertain probabilities III: The continuous case. *Soft Computing*, 8(3):200–206, 2004.

[7] J. J. Buckley, K. Reilly, and X. Zheng. Fuzzy probabilities for web planning. *Soft Computing*, 8(7):464–476, 2004.

[8] James J. Buckley. *Fuzzy probabilities and fuzzy sets for web planning*, volume 135 of *Studies in Fuzziness and Soft Computing*. Springer-Verlag, Berlin, 2004.

[9] James J. Buckley. *Fuzzy statistics*, volume 149 of *Studies in Fuzziness and Soft Computing*. Springer-Verlag, Berlin, 2004.

[10] James J. Buckley and Esfandiar Eslami. Fuzzy ordering of fuzzy numbers. *Internat. J. Uncertain. Fuzziness Knowledge-Based Systems*, 12(1):105–114, 2004.

[11] E. Caglioti, N. Chernov, and J. L. Lebowitz. Stability of solutions of hydrodynamic equations describing the scaling limit of a massive piston in an ideal gas. *Nonlinearity*, 17(3):897–923, 2004.

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[14] N. Chernov, C. Lesort, and N. Simányi. On the complexity of curve fitting algorithms. *J. Complexity*, 20(4):484–492, 2004.

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[18] W. D. Evans, D. J. Harris, and Y. Saitō. On the approximation numbers of Sobolev embeddings on singular domains and trees. *Q. J. Math.*, 55(3):267–302, 2004.

[19] J. Fröhlich, M. Griesemer, and B. Schlein. Asymptotic completeness for Compton scattering. *Comm. Math. Phys.*, 252(1-3):415–476, 2004.

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[21] M. Griesemer. Exponential decay and ionization thresholds in non-relativistic quantum electrodynamics. *J. Funct. Anal.*, 210(2):321–340, 2004.

[22] Jan Janas, Serguei Naboko, and Gunter Stolz. Spectral theory for a class of periodically perturbed unbounded Jacobi matrices: elementary methods. *J. Comput. Appl. Math.*, 171(1-2):265–276, 2004.

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[24] Yulia Karpeshina. Spectral properties of the periodic magnetic Schrödinger operator in the high-energy region. Two-dimensional case. *Comm. Math. Phys.*, 251(3):473–514, 2004.

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