

Analytic and algebraic methods in physics V

May 27 - 28, 2009, Villa Lanna, Prague

Wednesday, May 27: morning session:	
9.00 - 9.30	REGISTRATION
9.30 - 9.35	OPENING
9.35 - 10.10	Boris Shapiro (Stockholm University) <i>"Exact and asymptotic results on root distribution of eigenfunctions of a univariate Schroedinger equation with a polynomial potential"</i>
10.15 - 10.50	Takuya Mine (Kyoto University) <i>"Norm resolvent convergence to Schrödinger operators with infinitesimally thin toroidal magnetic fields "</i>
10.55 - 11.10	coffee break
11.10 - 11.45	Stefan Rauch-Wojciechowski (Linköping University) <i>"Structure and separability of driven and triangular systems of Newton equations"</i>
11.50 - 12.25	Steven Duplij (Kharkov National University) <i>"A novel Hamiltonian procedure for constraint theories"</i>
12.30 - 14.00	LUNCH
afternoon session	
14.00 - 14.35	Andreas Fring (City University, London) <i>"The Ising quantum spin chain in an imaginary field"</i>
14.40 - 15.15	Uwe Günther (FZ Dresden-Rossendorf) <i>"The 4D Naimark dilated PT brachistochrone as 2D Hermitian brachistochrone"</i>
15.20 - 15.40	coffee break
15.40 - 16.15	Giuseppe Scolarici (Koc University) <i>"Bi-hamiltonian descriptions for composite quantum systems"</i>
16.20 - 16.55	Hynek Bíla (Nuclear Physics Institute, Řež) <i>"Scattering in $i\phi^3$ pseudo-scalar theory"</i>

Thursday, May 28: morning session	
9.30 - 10.05	Hugh Jones: (Imperial College) <i>"Which Green functions does the path integral represent?"</i>
10.10 - 10.45	Emanuela Caliceti (Bologna University) <i>"PT-symmetric Schroedinger operators: spectral and perturbation theory"</i>
10.50 - 11.10	coffee break
11.10 - 11.45	Vincenzo Grecchi (Bologna University) <i>"Stieltjes property of cubic oscillator"</i>
11.50 - 12.25	Petr Siegl (DI, NPI & Université Paris 7 - Denis Diderot) <i>"Surprising spectra of PT -symmetric point interactions"</i>
12.30 - 14.00	LUNCH
afternoon session	
14.00 - 14.35	Daniel Hook (Imperial College, London) <i>"Numerical study of PT quantum mechanical systems"</i>
14.40 - 15.15	Géza Lévai (ATOMKI, Debrecen) <i>"On the asymptotic properties of exactly solvable PT-symmetric potentials"</i>
15.20 - 15.40	coffee break
15.40 - 16.15	Roberto Tateo (INFN and Università di Torino) <i>"PT symmetry breaking and exceptional points"</i>
16.20 - 16.55	Miloslav Znojil (NPI Řež) <i>"All metrics for a toy Hamiltonian"</i>
17.00	END OF THE MEETING