Actual problems in the Geometry of Submanifolds

November 12-24, 2001, Warsaw

Research group in the S. Banach International
Mathematical Center

The work of this research group was held in Warsaw at November 12-24, 2001. The participants were from Ukraine, Poland and U.S.A.: Yu.A. Aminov (organizer) (Inst. for Low Temp. Phys. and Eng., Kharkov; Math. Inst. of Bialystok University), L.A. Masaltsev, V.T. Lisitsa, A.L. Yampolsky (Kharkov National University), J.D. Moore (University of California at Santa Barbara), A. Sym, A. Doliwa (Inst. Theor. Phys. of Warsaw University), P. Walczak, (Lodz University), J. Cieslinski (Inst. Theor. Phys. of Bialystok University).

There were delivered more than 20 scientific reports on recent problems and new results in the theory of isometric immersions of Riemannian manifolds, minimal submanifolds, harmonic maps, minimal and harmonic vector fields, old soliton theory, Grassmann manifolds and geometry of Grassmann image of multidimensional submanifolds, discret models of submanifolds and nets with special properties.

New direct scientific contacts for further joint research have been established between mathematicians of Poland, Ukraine and U.S.A. The exchange of new ideas and scientific publications has been done.

The Research Group participants express their deep thanks to Banach Center officials for the excellent conditions for fruitful scientific work.

Yu. Aminov