

Chronicle

### **The 12-th Scientific Session of the Mathematical Commission of the T.H. Shevchenko Scientific Society**

A session of the mathematical commission of the T.H. Shevchenko Scientific Society (SSS) was held on March 16–17, 2001 at the I. Franko L'viv National University. The session was organized both by the mathematical commission of the T. H. Shevchenko Scientific Society and the L'viv National University.

Professor M. M. Prytula, the temporary head of the SSS mathematical commission, opened the session. The session consisted of two meetings. At the first meeting, held on March 16, 2001 with professor M. M. Prytula as the chairman and assistant professor T. O. Banakh as the secretary, the following talks were presented: A. M. Samoilenko, Ya. A. Prykarpats'ky "On complete integrability and Picard–Fuchs types equations for four dimension Hamiltonian reductions of Foker–Planks equations"; V. O. Revenko "A solution of the Gelfand–Levitan–Marchenko integral equation for same classes of spectral functions"; M. M. Prytula, O. E. Hentosh,

O. V. Vorobjova "Hamiltonian invariant reductions of inverse nonlinear dynamical systems"; I.-P. P. Syroid "Application of the inverse scattering transform to the problems of generalized amplitude modulations of oscillations and waves"; A. Ya. Vus "On integrable potentials in the  $n$ -body problem on the axis". I. P. Tverdokhlib, O. A. Prykarpats'ky "An application of the Marsden–Weinstein method of Hamiltonian reduction to problems of linear programming"; Yu. M. Sydorenko "Invariant transformations of integro-differential operators and their applications in the theory of solitons".

At the second meeting, held on March 17, 2001 with senior fellow I.-P. P. Syroid as the chairman and assistant professor Ya. V. Mykytyuk as the secretary, the following talks were presented: Ya. V. Mykytyuk "Schrödinger operator with a quasiperiodic potential", L. O. Plakhta "A geometric characterization of  $n$ -trivial knots"; T. O. Banakh "The universal Zarichnyi map is not locally self-similar"; I. V. Mykytyuk "Invariant Keller structures on tangent bundles of symmetric spaces"; O. Gryniv "Free inverse semigroups as infinite-dimensional manifolds"; V. Rositsky (Gdansk, Poland) "The topological classification of knots of codimension two."

A number of talks will be published in the Journal of Nonlinear Oscillations and the Ukrainian Mathematical Journal.

*A. M. Samoilenko, M. M. Prytula*