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Dynamics of Evolutionary PDE Systems

The report is devoted to a method for constructing exact and approximate solutions of systems of evolutionary partial differential equations. The main idea is that such systems generate a flow in the solution space of some systems of ordinary differential equations. Namely, these ODE systems have symmetries, the generating functions of which are generated by the right-hand sides of the evolutionary system. The first results in this area were obtained by B.Kruglikov, V.Lychagin and O.Lychagina (2005).

**SCIENTIFIC SEMINAR
“DIFFERENTIAL GEOMETRY AND APPLICATIONS”**

headed by Academician of RAS Anatoly T. Fomenko

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