Compact course on Lie group analysis

**by L. A. Bordag
from 14.10.2013 to 27.10.2013
Zittau, Germany**

The compact lecture course is devoted to the applications of the Lie group analysis to differential equations.

The course does not demand any pre-knowledge in Lie algebras or Lie groups, we start from very simple idea of the one parameter transformation group and its' generator and then develop this method step by step to the applications to ordinary and partial differential equations. Every lecture is accompanied by practical exercises where a large amount of practical problems will be solved. The students obtain a number of problems for self-preparation (next day the detailed solutions are provided and discussed).

The lectures are presented by Ljudmila A. Bordag, the practical exercises and assignments are lead by Ivan P. Yamshchikov.

In the framework of this compact course we also provide guest lectures given by Prof. M. V. Babich (St. Petersburg), Prof. S. Cavagnetto (Prague), Prof. F. Oliveri (Messina), Prof. U. Schnell (Zittau) .

All further details on
http://f-n.hszg.de/fakultaet/hochschullehrerinnen/ljudmila-bordag/ljudmila-bordag.html

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