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Groups, Invariants, Integrals, and Mathematical Physics Maria Ulan, Stanislav Hronek, 2023-05-31 This volume presents lectures given at the Wis a 20 21 Winter School and Workshop Groups Invariants Integrals and Mathematical Physics organized by the Baltic Institute of Mathematics The lectures were dedicated to differential invariants with a focus on Lie groups pseudogroups and their orbit spaces and Poisson structures in algebra and geometry and are included here as lecture notes comprising the first two chapters Following this chapters combine theoretical and applied perspectives to explore topics at the intersection of differential geometry differential equations and category theory Specific topics covered include The multisymplectic and variational nature of Monge Amp re equations in dimension four Integrability of fifth order equations admitting a Lie symmetry algebra Applications of the van

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*Waves and Stability in Continuous Media - Proceedings of the 15th Conference on Wascom 2009* Antonio Maria Greco, Salvatore Rionero, Tommaso Ruggeri, 2010 This book contains recent contributions in the field of waves propagation and stability in continuous media The volume is the sixth in a series published by World Scientific since 1999

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