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<<动态系统与流体流的几何理论GEO>>

图书基本信息

书名：<<动态系统与流体流的几何理论GEOMETRICAL THEORY OF DYNAMICAL SYSTEMS AND FLUID FLOWS>>

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内容概要

This is an introductory textbook on the geometrical theory of dynamical systems, fluid flows, and certain integrable systems. The subjects are interdisciplinary and extend from mathematics, mechanics and physics to mechanical engineering, and the approach is very fundamental. The underlying concepts are based on differential geometry and theory of Lie groups in the mathematical aspect, and on transformation symmetries and gauge theory in the physical aspect. A great deal of effort has been directed toward making the description elementary, clear and concise, so that beginners will have an access to the topics.

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