

**The Orbit Method in  
Geometry and Physics**  
In Honor of A.A. Kirillov

Christian Duval  
Lorand Ornea  
Wolfgang Oehlmann  
Editors

**Birkhäuser**

# Orbit Method In Geometry And Physics Cmbk

**American Mathematical Society**

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Lectures on the Orbit Method Aleksandr Aleksandrovich Kirillov,2004 Describes the essence of the orbit method for non experts and gives a detailed exposition of the method This work can be used as a text for a graduate course as well as a handbook for non experts and a reference book for research mathematicians and mathematical physicists Lectures on the Orbit Method A. A. Kirillov,2025-03-21 Isaac Newton encrypted his discoveries in analysis in the form of an anagram which deciphers to the sentence It is worthwhile to solve differential equations Accordingly one can express the main idea behind the Orbit Method by saying It is worthwhile to study coadjoint orbits The orbit method was introduced by the author A A Kirillov in the 1960s and remains a useful and powerful tool in areas such as Lie theory group representations integrable systems complex and symplectic geometry and mathematical physics This book describes the essence of the orbit method for non experts and gives the first systematic detailed and self contained exposition of the method It starts with a convenient User s Guide and contains numerous examples It can be used as a text for a graduate course as well as a handbook for non experts and a reference book for research mathematicians and mathematical physicists Lectures on the Orbit Method Aleksandr Aleksandrovich Kirillov,1900 Isaac Newton encrypted his discoveries in analysis in the form of an anagram which deciphers to the sentence It is worthwhile to solve differential equations Accordingly one can express the main idea behind the Orbit Method by saying It is worthwhile to study coadjoint orbits The orbit method was introduced by the author A A Kirillov in the 1960s and remains a useful and powerful tool in areas such as Lie theory group representations integrable systems complex and symplectic geometry and mathematical physics This book describes the essence of the orbit method for non experts and gives the first systematic detailed and self contained exposition of the method It starts with a convenient User s Guide and contains numerous examples It can be used as a text for a graduate course as well as a handbook for non experts and a reference book for research mathematicians and mathematical physicists

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