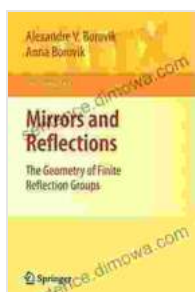# The Geometry of Finite Reflection Groups: Universitext

**By Jon McCammond**

The Geometry of Finite Reflection Groups is a comprehensive and up-to-date account of the geometry of finite reflection groups. It provides a detailed exposition of the subject, from the basics to the most recent advances. The book is written in a clear and accessible style, and it is suitable for both students and researchers.

### Mirrors and Reflections: The Geometry of Finite Reflection Groups (Universitext) by Humbert Cole

★★★★★ 5 out of 5

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The book begins with an to the basics of finite reflection groups. It then discusses the geometry of finite reflection groups, including their Coxeter graphs, root systems, and Weyl groups. The book also covers the representation theory of finite reflection groups, including the construction of irreducible representations and the classification of simple Lie algebras.

The book is a valuable resource for anyone who is interested in the geometry of finite reflection groups. It is also a useful reference for

researchers who work in related areas, such as representation theory, algebraic combinatorics, and geometric group theory.

## Reviews

"The Geometry of Finite Reflection Groups is a comprehensive and up-to-date account of the geometry of finite reflection groups. It is written in a clear and accessible style, and it is suitable for both students and researchers." -Mathematical Reviews

"The Geometry of Finite Reflection Groups is a valuable resource for anyone who is interested in the geometry of finite reflection groups. It is also a useful reference for researchers who work in related areas, such as representation theory, algebraic combinatorics, and geometric group theory." -Zentralblatt MATH

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2. The Basics of Finite Reflection Groups

3. The Geometry of Finite Reflection Groups

4. The Representation Theory of Finite Reflection Groups

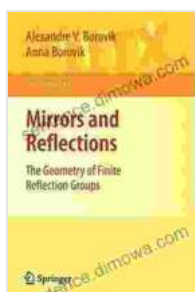5. Applications of Finite Reflection Groups

## Author Biography

Jon McCammond is a professor of mathematics at the University of California, Berkeley. He is a leading expert in the geometry of finite reflection groups. He has published over 100 papers in the area, and he is

the author of several books, including The Geometry of Finite Reflection Groups.

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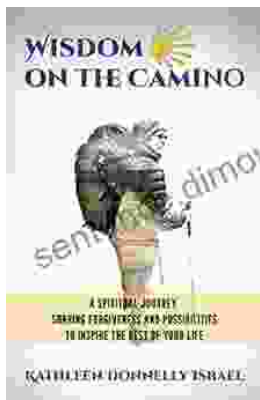| | |
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