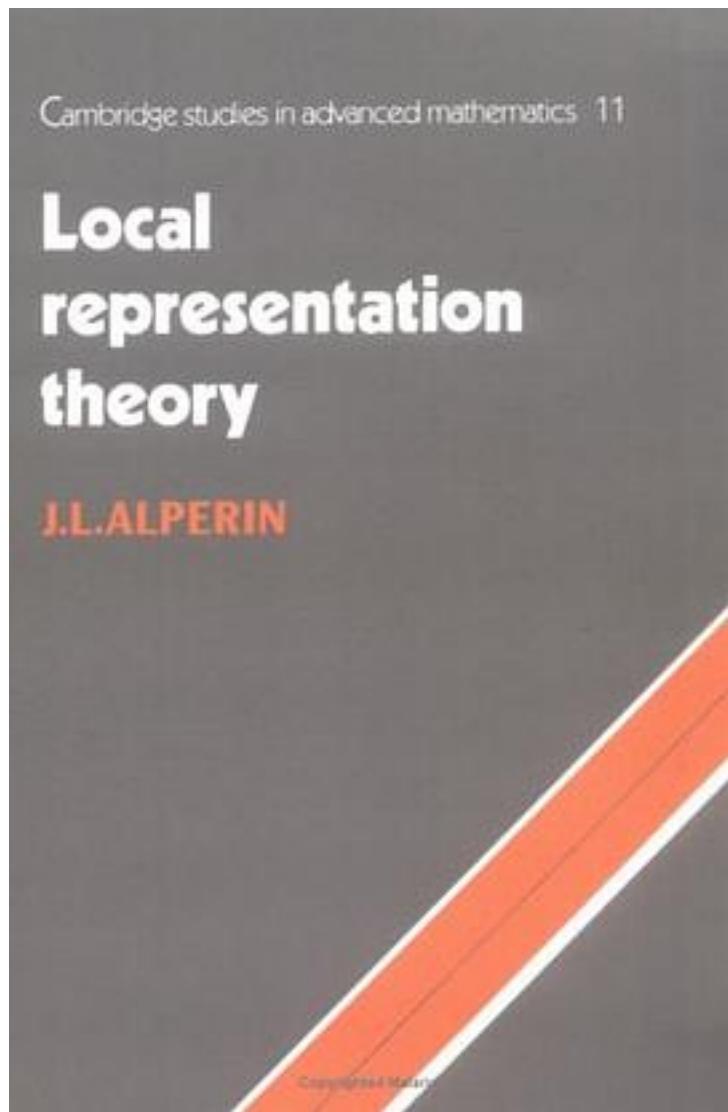


Local Representation Theory



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著者:J. L. Alperin

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Representation theory has applications to number theory, combinatorics and many areas of algebra. The aim of this text is to present some of the key results in the representation theory of finite groups. Professor Alperin concentrates on local representation theory, emphasizing module theory throughout. In this way many deep results can be obtained rather quickly. After two introductory chapters, the basic results of Green are proved, which in turn lead in due course to Brauer's First Main Theorem. A proof of the module form of Brauer's Second Main Theorem is then presented, followed by a discussion of Feit's work connecting maps and the Green correspondence. The work concludes with a treatment, new in part, of the Brauer-Dade theory. Exercises are provided at the end of most sections; the results of some are used later in the text.

作者介绍:

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标签

数学

representation

2019

表示论

评论

局部表示论研究特征为0和特征为素数p，并与数论之间的类比；第二个就是研究p局部子群，非恒等的p子群的正规化子是关键子群。Brauer的第一第二基本定理是本书的关键定理。表示论研究分为三个部分：一般理论；与李群之间的联系；与其他领域如数论，同调代数等联系

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书评

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