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图书基本信息

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内容概要

Modular Forms with Integral and Half-Integral Weights focuses on the fundamental theory of modular forms of one variable with intergral and half-integral weights.The main theme of the book is the theory of Eisenstein series.It is a fundamental problem to construct a basis of the orthogonal complement of the space of cusp forms;as is well known.this space is spanned by Eisenstein series for any weight greater than or equal to 2.The book proves that the conclusion holds true for weight 3/2 by explicitly constructing a basis of the orthogonal complement of the space of cuspforms.The problem for weight 1/2,which was solved by Serre and Stark,will also be discussed in this book.The book provides readers not only basic knowledge on this topic but also a general survey of modem investigatioii methods of modular forms with integral and half-integral weights.It will be of sigruficant interest to researchers and practitioners in modular forms of mathematics.

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