



M. Ram Murty, V. Kumar Murty

# The Mathematical Legacy of Srinivasa Ramanujan

- Gives a panoramic view of the main contributions of Srinivasa Ramanujan
- Presents a major theme of Ramanujan's work in non-technical language
- Provides an excellent introduction to Ramanujan's life and work

Srinivasa Ramanujan was a mathematician brilliant beyond comparison who inspired many great mathematicians. There is extensive literature available on the work of Ramanujan. But what is missing in the literature is an analysis that would place his mathematics in context and interpret it in terms of modern developments. The 12 lectures by Hardy, delivered in 1936, served this purpose at the time they were given. This book presents Ramanujan's essential mathematical contributions and gives an informal account of some of the major developments that emanated from his work in the 20th and 21st centuries. It contends that his work still has an impact on many different fields of mathematical research. This book examines some of these themes in the landscape of 21st-century mathematics. These essays, based on the lectures given by the authors focus on a subset of Ramanujan's significant papers and show how these papers shaped the course of modern mathematics.

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