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Autore	Repin Sergey I
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Nota di bibliografia	Includes bibliographical references (p. [291]-311) and index.
Nota di contenuto	Frontmatter -- Contents -- Preface -- 1. Introduction -- 2. Overview -- 3. Poisson's equation -- 4. Linear elliptic problems -- 5. Elasticity -- 6. Incompressible viscous fluids -- 7. Generalizations -- 8. Nonlinear problems -- 9. A posteriori estimates for other problems -- Backmatter
Sommario/riassunto	This book deals with the reliable verification of the accuracy of approximate solutions which is one of the central problems in modern applied analysis. After giving an overview of the methods developed for models based on partial differential equations, the author derives computable a posteriori error estimates by using methods of the theory of partial differential equations and functional analysis. These estimates are applicable to approximate solutions computed by various methods.