

1. Record Nr.	UNINA9910782789403321
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Titolo	A posteriori estimates for partial differential equations [[electronic resource] /] / Sergey Repin
Pubbl/distr/stampa	Berlin ; ; New York, : Walter de Gruyter, c2008
ISBN	1-283-39678-5 9786613396785 3-11-020304-9
Descrizione fisica	1 online resource (328 p.)
Collana	Radon series on computational and applied mathematics, , 1865-3707 ; ; 4
Classificazione	SK 500
Disciplina	515/.353
Soggetti	Differential equations, Partial Error analysis (Mathematics)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
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.