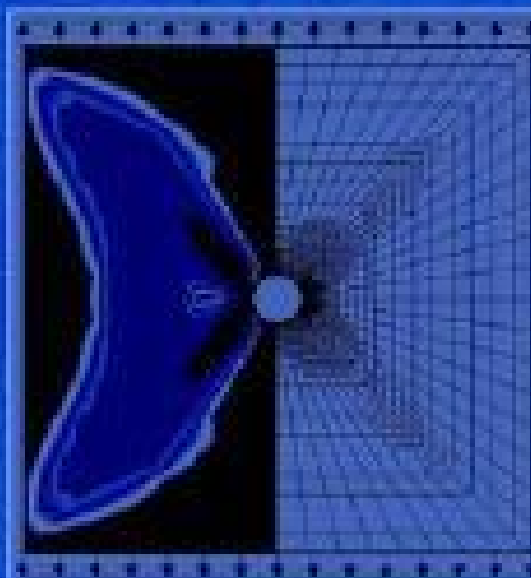


 WILEY

Error-controlled Adaptive Finite Elements in Solid Mechanics



E. Stein (Editor)

E. Ramm

E. Rank

R. Rannacher

K. Schweizerhof

E. Stein

W. Wendland

G. Wittum

P. Wriggers

W. Wunderlich

Error-Controlled Adaptive Finite Elements in Solid Mechanics

Erwin Stein

Finite point equipment are used for varied engineering purposes the place numerical ideas of partial differential equations are needed. As pcs can now care Error-Controlled Adaptive Finite Elements in Solid Mechanics for the thousands of parameters utilized in those methods, automated blunders estimation and automated variation of the utilised procedure (according to this mistake estimation), has develop into a sizzling study topic. this article deals accomplished insurance of this new box of computerized model and blunder estimation, bringing jointly the paintings of 8 extraordinary researchers Error-Controlled Adaptive Finite Elements in Solid Mechanics during this box who've accomplished a six 12 months nationwide learn undertaking in the German technology Foundation. the result's a cutting-edge paintings in real reference style. each one bankruptcy is self-contained and covers theoretical, algorithmic and software program shows in addition to solved problems. a major function contains numerous conscientiously Error-Controlled Adaptive Finite Elements in Solid Mechanics elaborated benchmarks of 2D- and 3D- applications. * First ebook to move past the Finite point strategy in itself * Covers fabric from a brand new examine sector * offers benchmarks of 2D- and 3D- purposes * suits with the recent development for genetic suggestions in engineering

Error Controlled Adaptive Finite Elements In Solid Mechanics

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