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Using this approach within the finite element method, the solution achieved may however be affected by a lack of convergence and may depend strongly on the mesh adopted, in terms of both the size and the orientation of the elements (e.g. Pietruszczak & Mroz, 1981; Leroy & Ortiz, 1989; Larsson et al., 1991; Sluys, 1992; Brinkgreve, 1994; Pastor et al., 2002).

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Practical Aspects of Finite Element Method Applications in Dentistry Aleksandar Grbovic, MSc, PhD Associate professor Faculty of Mechanical Engineering, University of Belgrade, and Visiting professor, School of Dental Medicine, University of Belgrade. was born in 1970.

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The finite element method (FEM), or finite element analysis (FEA), is a computational technique used to obtain approximate solutions of boundary value problems in engineering.

Introduction to Finite Element Analysis (FEA) or Finite

Practical Aspects of the. Finite Element Method. Manuel Pastor. Pablo Mira, Jos  Antonio Fern ndez Merodo. Centro de Estudios y Experimentaci3n de Obras P blicas

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In addition to its examination of numerous standard aspects of the finite element method, the volume includes many unique components, including a comprehensive presentation and analysis of algorithms of time-dependent phenomena, plus beam, plate, and shell theories derived directly from three-dimensional elasticity theory.

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PRACTICAL ASPECTS OF THE SPECIAL FINITE ELEMENTS APPLICATION D. Kovacevic*, A. Antic, I. Budak University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia *Authors to correspondence should be addressed via email: dusan@uns.ac.rs 244. Mathematically models of such type of connections

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