



HRVATSKO DRUŠTVO ZA MEHANIKU
CROATIAN SOCIETY OF MECHANICS

PODRUŽNICA OSIJEK

I

Građevinski fakultet Sveučilišta J.J.Strossmayera u Osijeku

P o z i v a j u

na popularno-znanstveno predavanje

"Remarks to Finite Element Method"

koje će održati

Prof. Dr. Günther Schmidt

Umirovljeni profesor sa TU Bochum

u srijedu 14. svibnja 2008. u 10,00 sati,

na Građevinskom fakultetu u Osijeku, Crkvena 21, Predavaonica br. 10/I.

PREDSJEDNICAPODRUŽNICE:

Doc.dr.sc. Mirjana Bošnjak-Klečina

DEKAN:

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Remarks to the Finite Element Method

Günther Schmid

The Finite Element Method is a general numerical procedure to analyse physical phenomena described by the theory of continuum mechanics. The method is applied successfully in engineering, as for example in environmental science or in structural engineering.

In the lecture the basic principles of the Finite Element Method are explained by means of the most simple structural member, the bar element. Extensions to general structures and load cases, modelled as linear boundary value problems, are given. Special cases are highlighted where precautions have to be taken to obtain “good “ solutions with the available commercial software.