



Professor Ekkehard Ramm

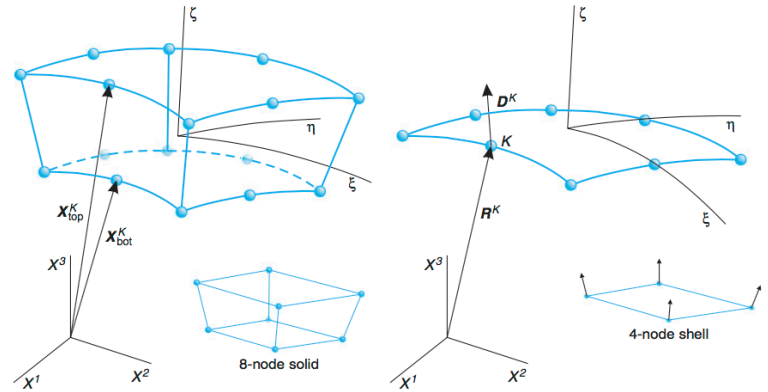


Figure 6. Continuum-based shell elements, degenerated solid approach.

From: M. Bischoff, W. A. Wall, K.-U. Bletzinger and E. Ramm, “Models and finite elements for thin-walled structures”, Chapter 3 in Encyclopedia of Computational Mechanics, Edited by Erwin Stein, Rene de Borst and Thomas J.R. Hughes. Volume 2: Solids, Structures and Coupled Problems, John Wiley & Sons, 2004

See:

<http://www.ibb.uni-stuttgart.de/institut/ehemalig/ramm.en.html>

<http://www.ibb.uni-stuttgart.de/institut/ehemalig/ramm.html>

<http://orlabs.oclc.org/identities/lccn-n82-98792/>

<http://journalogy.net/Author/12544863/ekkehard-ramm>

<http://www.barnesandnoble.com/c/ekkehard-ramm>

<http://www.amazon.com/gp/aw/s?i=stripbooks&field-author=Ekkehard%20Ramm>

<http://onlinelibrary.wiley.com/doi/10.1002/stab.201090113/abstract>

<http://portal.mytum.de/pressestelle/pressemitteilungen/news-703>

Former head of Institute of Structural Mechanics
Universität Stuttgart

Research Interests:

Structural and Engineering Mechanics

Static and Dynamic Analyses of Thin-walled Structures, in particular plates and shells

Stability and Ultimate Load Analyses (Metals, Reinforced Concrete, Geomaterials, FRP, Glass)

Linear and Nonlinear Finite Element Analyses

Finite Element Technology, Error Estimation and Adaptivity

Fluid-Structure Interaction

Structural Optimization (Material, Shape, Topology, Formfinding)

History of Structures

About Myself:

born in Osnabrück (Lower Saxony)

grown up near Osnabrück and in Wiesbaden
studies of civil engineering at the Technical Universities of Darmstadt and Stuttgart
1966 graduated with a Dipl.-Ing. Degree in Civil Engineering
1972 PhD from University of Stuttgart
Grant of German National Science Foundation (DFG) for Habilitation (1975) and 'Venia Legendi' (Right to teach)
1972/73 Post-Doc at University of California in Berkeley
1976 Associate Professor (C3) at 'Institut für Baustatik' University of Stuttgart
1983-2006 Full Professor and Head of the Institute of Structural Mechanics
1988 Founding of Consulting Office DELTA-X, Stuttgart, with Dr.-Ing. A. Burmeister
1989 Visiting Professor University of California, Berkeley
1991-1994 in addition: temporary Head of the Institute of Light-Weight Structures (IL) at University of Stuttgart
1994 - 1999 elected member of the Committee for Collaborative Research Centres of the German National Science Foundation (DFG)
1995 - 2000 elected member of 'Verwaltungsrat' University of Stuttgart
since 1997 member of the Academy of Sciences and Literature, Mainz
2000 - 2003 elected member of 'Universitätsrat' University of Stuttgart
2000 - 2008 President of the German Association for Computational Mechanics (GACM)
since 2000 member of Academia Europaea
since 2001 member of the Academy of Sciences, Heidelberg
since 2003 member of the German Academy of Science and Engineering (acatech)
2004 Honorary Degree of the University of Calgary (Doctor of Law h.c.)
2004 Honorary Degree of the Faculty for Civil Engineering and Geodesy at the Technical University of Munich (Dr.-Ing. E.h.)
since 2004 corresponding member of 'Austrian Academy of Sciences'
since 2004 corresponding member of 'Braunschweigische Wissenschaftliche Gesellschaft' (BWG)
2006 retiring from Head of Institute
2008 member of US National Academy of Engineering (Foreign Associate)

Member of Editorial Board

International Journal for Numerical Methods in Engineering (IJNME)
Communications in Numerical Methods in Engineering (CNME)
Computer Methods in Applied Mechanics and Engineering (CMAME)
Engineering Structures
International Journal of Space Structures
Engineering Computations
Finite Elements in Analysis and Design
International Journal for Numerical and Analytical Methods in Geomechanics
International Journal of Structural Stability and Dynamics (IJSSD)
Engineering with Computers
Advances in Engineering Software
International Journal for Computational Civil and Structural Engineering
International Journal for Multiscale Computational Engineering (JMCE)
Advances in Structural Engineering

392 Publications! (Google “Ramm Stuttgart” for a complete list)