



Numerical Mathematics and Advanced Applications 2009

By Gunilla Kreiss

Springer-Verlag GmbH Okt 2010, 2010. Buch. Book Condition: Neu. 235x155x43 mm. Neuware - The European Conference on Numerical Mathematics and Advanced Applications (ENUMATH) was held from June 29 July 3, 2010, in Uppsala, Sweden. This was the eighth conference in a series of biannual meetings starting in Paris (1995). Subsequent conferences were organized in Heidelberg (1997), Jyvaskyla (1999), Ischia (2001), Prague (2003), Santiago de Compostela (2005), and Graz (2007). ENUMATH 2009 attracted over 330 attendees to the scientific programme, with ten invited speakers, one public lecture, 32 minisymposia, and more than 280 presentations. This volume contains a selection of papers by the invited speakers and from the minisymposia and the contributed sessions. The purpose of the conference was to create a forum for discussion and dissemination of recent results in numerical mathematics and new applications of computational methods. Many subjects were covered in the talks and a few of the topics represented in these proceedings were discontinuous Galerkin methods, finite element methods in different applications, methods for uidow, electromagnetism, nancial engineering, structural mechanics, optimal control, and biomechanics. The minisymposia listed below with their organizers also give an impression of how broad the scope of the conference was: Adaptivity for non-linear and non-smooth problems, part I & II, Ralf Kornhuber, Andreas...

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