

113. C. Carstensen and R.H.W. Hoppe; Convergence analysis of an adaptive nonconforming finite element method. *Numer. Math.*, 103, 251-266, 2006
114. C. Carstensen and R.H.W. Hoppe; Error reduction and convergence for an adaptive mixed finite element method. *Math. Comp.* 75, 1033-1042, 2006
115. R.H.W. Hoppe, M.Y. Kuzmin, W.G. Litvinov, and V.G. Zvyagin; Flow of electrorheological fluids under conditions of slip on the boundary. *Abstract and Applied Analysis*, Vol. 2006, Article ID 43560, 14 pages, 2006
116. R.H.W. Hoppe, Y. Iliash, C. Iyyunni, and N. Sweilam; A posteriori error estimates for adaptive finite element discretizations of boundary control problems. *J. Numer. Anal.* 14, 57–82, 2006
117. R.H.W. Hoppe, C. Linsenmann, and S.I. Petrova; Primal-dual Newton methods in structural optimization. *Comp. Visual. Sci.* 9, 71–87, 2006

118. **A. Gaevskaya, R.H.W. Hoppe, and S. Re-pin;** A posteriori estimates for cost functionals of optimal control problems. In: **Numerical Mathematics and Advanced Applications** (A. Bermudez de Castro et al.; eds.), pp. 308–316, Springer, Berlin-Heidelberg-New York, 2006

119. **R.H.W. Hoppe and S.I. Petrova;** Shape optimization of biomorphic ceramics with microstructures by homogenization modeling. In: **Analysis, Modeling and Simulation of Multiscale Problems** (A. Mielke; ed.), pp. 395–424, Springer, Berlin-Heidelberg-New York, 2006

120. **A. Gaevskaya, R.H.W. Hoppe, Y. Iliash, and M. Kieweg;** A posteriori error analysis of control constrained distributed and boundary control problems. **Proc. Conf. Advances in Scientific Computing, Moscow, Russia** (O. Pironneau et al.; eds.), Russian Academy of Sciences, Moscow, 2006