

Schriftenverzeichnis/List of Publications

Qualifizierungsarbeiten/Theses

- [1] L. Angermann. Die Regularisierung einer Klasse singulärer Integralgleichungen. Diplomarbeit (in Russisch), Universität Charkow, 1982.
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- [4] L. Angermann. A refinement indicator for the mesh-control in solving plane elliptic problems. Informationen der TU Dresden 07-19-89, TU Dresden, 1989.
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- [6] L. Angermann. Computable interior error indicators for the numerical solution of Helmholtz' equation. Informationen der TU Dresden 07-08-90, TU Dresden, 1990.
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- [10] L. Angermann. An introduction to finite volume methods for linear elliptic equations of second order. Bericht 164, Institut für Angewandte Mathematik, Universität Erlangen-Nürnberg, 1995.
- [11] L. Angermann. An upwind scheme of finite volume type with reduced crosswind diffusion. Bericht 165, Institut für Angewandte Mathematik, Universität Erlangen-Nürnberg, 1995.
- [12] L. Angermann. A finite element method for the numerical solution of convection-dominated anisotropic diffusion equations. Bericht 201, Institut für Angewandte Mathematik, Universität Erlangen-Nürnberg, 1996.
- [13] L. Angermann. Finite volume schemes as non-conforming Petrov-Galerkin approximations of primal-dual mixed formulations. Bericht 181, Institut für Angewandte Mathematik, Universität Erlangen-Nürnberg, 1996.
- [14] L. Angermann. Error analysis of upwind-discretizations for the steady-state incompressible Navier-Stokes equations. Preprint Nr. 33, Fakultät für Mathematik, Otto-von-Guericke-Universität Magdeburg, 1998. (Part 1 was published in *Advances in Computational Mathematics*, 13:167–198, 2000, Part 2 (Applications) is still unpublished).
- [15] L. Angermann. Residual type *a posteriori* error estimates for upwinding finite volume approximations of elliptic boundary value problems. Mathematik-Bericht 2010/1, Institut für Mathematik, Technische Universität Clausthal, 2010.
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- [20] L. Angermann, P. Knabner, and A. Rupp. Error estimates for completely discrete FEM in energy-type and weaker norms. e-print arxiv.org/abs/2301.06860, 2023.
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- [1] L. Angermann and H.-G. Roos. A posteriori error estimates for elliptic boundary value problems. Chapter 8 of *Computational methods for boundary and interior layers in several dimensions*, J.J.H. Miller (ed.), pages 154–174. Boole Press, Dublin, 1991.
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