

References

- ADAMS, R. A. (1975) *Sobolev spaces*. Academic Press [A subsidiary of Harcourt Brace Jovanovich, Publishers], New York-London, pp. xviii+268. Pure and Applied Mathematics, Vol. 65.
- ADAMS, R. A. & FOURNIER, J. J. F. (2003) *Sobolev spaces*. Pure and Applied Mathematics (Amsterdam), vol. 140, second edn. Elsevier/Academic Press, Amsterdam, pp. xiv+305.
- BRAESS, D. (2001) *Finite elements*, second edn. Cambridge: Cambridge University Press, pp. xviii+352. Theory, fast solvers, and applications in solid mechanics, Translated from the 1992 German edition by Larry L. Schumaker.
- BRENNER, S. C. & SCOTT, L. R. (2008) *The mathematical theory of finite element methods*. Texts in Applied Mathematics, vol. 15, third edn. New York: Springer, pp. xviii+397.
- CIARLET, P. G. (1978) *The finite element method for elliptic problems*. Amsterdam: North-Holland Publishing Co., pp. xix+530. Studies in Mathematics and its Applications, Vol. 4.
- CIARLET, P. G. (2002) *The finite element method for elliptic problems*. Classics in Applied Mathematics, vol. 40. Philadelphia, PA: Society for Industrial and Applied Mathematics (SIAM), pp. xxviii+530. Reprint of the 1978 original [North-Holland, Amsterdam; MR0520174 (58 #25001)].
- CROUZEIX, M. & RAVIART, P.-A. (1973) Conforming and nonconforming finite element methods for solving the stationary Stokes equations. I. *Rev. Française Automat. Informat. Recherche Opérationnelle Sér. Rouge*, **7**, 33–75.
- DEUFLHARD, P. & WEISER, M. (2012) *Adaptive numerical solution of PDEs*. de Gruyter Textbook. Berlin: Walter de Gruyter & Co., pp. xii+421.
- DZIUK, G. (2010) *Theorie und Numerik partieller Differentialgleichungen*. Walter de Gruyter GmbH & Co. KG, Berlin, pp. x+319.
- ERN, A. & GUERMOND, J.-L. (2004) *Theory and practice of finite elements*. Applied Mathematical Sciences, vol. 159. New York: Springer-Verlag, pp. xiv+524.

- EVANS, L. C. (2010) *Partial differential equations*. Graduate Studies in Mathematics, vol. 19, second edn. Providence, RI: American Mathematical Society, pp. xxii+749.
- FEFFERMAN, C. (2000). http://www.claymath.org/millennium/Navier-Stokes_Equations/.
- GALDI, G. P. (2011) *An introduction to the mathematical theory of the Navier-Stokes equations*. Springer Monographs in Mathematics, second edn. Springer, New York, pp. xiv+1018. Steady-state problems.
- GANESAN, S. & TOBISKA, L. (2017) *Finite elements*. Cambridge-IISc Series. Cambridge University Press, Cambridge, pp. viii+208. Theory and algorithms.
- GILBARG, D. & TRUDINGER, N. S. (1983) *Elliptic partial differential equations of second order*. Grundlehren der Mathematischen Wissenschaften [Fundamental Principles of Mathematical Sciences], vol. 224, second edn. Springer-Verlag, Berlin, pp. xiii+513.
- GOERING, H., HANS-GÖRG, R. & TOBISKA, L. (2010) *Die Finite-Elemente-Methode für Anfänger*, fourth edn. Wiley-VCH, Berlin, pp. ix + 219.
- GRISVARD, P. (1985) *Elliptic problems in nonsmooth domains*. Monographs and Studies in Mathematics, vol. 24. Boston, MA: Pitman (Advanced Publishing Program), pp. xiv+410.
- GROSSMANN, C. & ROOS, H.-G. (2007) *Numerical treatment of partial differential equations*. Universitext. Berlin: Springer, pp. xii+591. Translated and revised from the 3rd (2005) German edition by Martin Stynes.
- HAROSKE, D. D. & TRIEBEL, H. (2008) *Distributions, Sobolev spaces, elliptic equations*. EMS Textbooks in Mathematics. European Mathematical Society (EMS), Zürich, pp. x+294.
- JOHN, V. (2016) *Finite element methods for incompressible flow problems*. Springer Series in Computational Mathematics, vol. 51. Springer, Cham, pp. xiii+812.
- JOHN, V. & MATTIES, G. (2004) MooNMD—a program package based on mapped finite element methods. *Comput. Vis. Sci.*, **6**, 163–169.
- LANDAU, L. & LIFSHITZ, E. (1966) *Lehrbuch der theoretischen Physik*, vol. VI, Hydrodynamik. Akademie-Verlag Berlin.
- LEVEQUE, R. J. (2007) *Finite difference methods for ordinary and partial differential equations*. Philadelphia, PA: Society for Industrial and Applied Mathematics (SIAM), pp. xvi+341. Steady-state and time-dependent problems.
- RANNACHER, R. & TUREK, S. (1992) Simple nonconforming quadrilateral Stokes element. *Numer. Methods Partial Differential Equations*, **8**, 97–111.
- SAMARSKII, A. A. (2001) *The theory of difference schemes*. Monographs and Textbooks in Pure and Applied Mathematics, vol. 240. New York: Marcel Dekker Inc., pp. xviii+761.
- SAMARSKIJ, A. (1984) *Theorie der Differenzenverfahren*. Mathematik und ihre Anwendungen in Physik und Technik, vol. 40. Akademische Verlagsgesellschaft Geest & Portig K.-G., Leipzig.

- SCHIEWECK, F. (1997) *Parallele Lösung der stationären inkompressiblen Navier-Stokes Gleichungen.* Otto-von-Guericke-Universität Magdeburg, Fakultät für Mathematik. Habilitation.
- SMIRNOW, W. I. (1967) *Lehrgang der höheren Mathematik. Teil V.* VEB Deutscher Verlag der Wissenschaften, Berlin, pp. xiii+570. Zweite, berichtigte Auflage, Übersetzung aus dem Russischen von Renate Helle und Brigitte Mai, Hochschulbücher für Mathematik, Band 6.
- ŠOLÍN, P. (2006) *Partial differential equations and the finite element method.* Pure and Applied Mathematics (New York). Hoboken, NJ: Wiley-Interscience [John Wiley & Sons], pp. xviii+472.
- STRANG, G. & FIX, G. (2008) *An analysis of the finite element method,* second edn. Wellesley, MA: Wellesley-Cambridge Press, pp. x+402.
- WILBRANDT, U., BARTSCH, C., AHMED, N., ALIA, N., ANKER, F., BLANK, L., CAIAZZO, A., GANESAN, S., GIERE, S., MATTHIES, G., MEESALA, R., SHAMIM, A., VENKATESAN, J. & JOHN, V. (2017) ParMooN—A modernized program package based on mapped finite elements. *Comput. Math. Appl.*, **74**, 74–88.
- WLADIMIROV, W. S. (1972) *Gleichungen der mathematischen Physik.* VEB Deutscher Verlag der Wissenschaften, Berlin.