

Computational Methods for PDE

List of reference texts

- [GR1] E. Godlewski and P. Raviart, *Hyperbolic systems of conservation laws*, Ellipses.
- [GR2] E. Godlewski and P. Raviart, *Numerical approximation of hyperbolic systems of conservation laws*, Springer.
- [ISE] A. Iserles, *First course in the numerical analysis of differential equations*, Cambridge.
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- [RJL1] R. J. LeVeque, *Finite Difference methods for ordinary and partial differential equations*, SIAM.
- [RJL2] R. J. LeVeque, *Numerical methods for conservation laws*, Birkhauser-Verlag.
- [QV] A. Quarteroni and P. Valli, *Numerical approximation of Partial Differential Equations*, Springer.
- [QR] A. Quarteroni, *Numerical models for differential problems*, Springer.
- [JCS] J. C. Strikwerda, *Finite difference schemes and partial differential equations*, SIAM.
- [JWT] J. W. Thomas, *Numerical Partial Differential Equations: Finite Difference Methods*, Springer.
- [TL] V. Thomee and S. Larsson, *Partial differential equations with numerical methods*, Springer.
- [TOR] E. Toro, *Riemann solvers and numerical methods for fluid dynamics*, Springer.
- [WES] P. Wesseling, *Principles of Computational Fluid Dynamics*, Springer.