Publications

Articles in International Journals

[1] M. Mortensen, H. P. Langtangen and G. N. Wells. A FEniCS-Based Programming Framework for Modeling Turbulent Flow by the Reynolds-Averaged Navier-Stokes Equations. *Advances in Water Resources*, vol. 34(9), 2011.

[2] H. P. Langtangen, K.-A. Mardal and R. Winther. Numerical Methods for Incompressible Viscous Flow. *Advances in Water Resources*, vol. 25, pp. 1125-1146, 2002.

[3] S. Glimsdal, G. Pedersen, K. Atakan, C. B. Harbitz, H. P. Langtangen and F. Løvholt. Propagation of the Dec. 26, 2004 Indian Ocean Tsunami: Effects of Dispersion and Source Characteristics. *International Journal of Fluid Mechanics Research*, vol. 33(1), pp. 15–43, 2006.

Books

[1] H. P. Langtangen. Python Scripting for Computational Science, Third edition, *Springer*, 2012.

Conference Proceedings

[1] K.-A. Mardal, G. W. Zumbusch and H. P. Langtangen. Software Tools for Multigrid Methods. In *Advanced Topics in Computational Partial Differential Equations – Numerical Methods and Diffpack Programming*, 2003

Technical Reports

[1] P. V. Jeberg, H. P. Langtangen and C. B. Terp. Optimization With Diffpack: Practical Example From Welding, Simula Research Laboratory, 2004

Other Publications

[1] H. P. Langtangen, *Computational Modeling of Huge Tsunamis From Asteroid Impacts*, Invited keynote lecture at the *International conference on Computational Science 2007 (ICCS'07)*, Beijing, China, 2007.