# Computational Mathematics Laboratory Technical Reports*

**CML TR90-01** Michael Lewis "Cardinal Interpolating Multiresolutions"

**CML TR90-02** Roland Glowinski, "Finite Element Methods for the Numerical Simulation of Incompressible Viscous Flow. Introduction to the Control of the Navier-Stokes Equations," in C. Anderson and C. Greengard (ed.), *Lectures in Applied Mathematics*, Volume 28, Vortex Dynamics and Vortex Methods, 219-302, 1991.

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**CML TR90-04** W. W. Symes, "The Reflection Inverse Problem for Acoustic Waves," in G. Cohen, L. Halpern, and P. Joly (ed.), Mathematical and Numerical Aspects of Wave Propagation Phenomena, SIAM, Philadephia, 1991, 423-433.

**CML TR91-01** R. A. Gopinath, W. M. Lawton, and C. S. Burrus, "Wavelet-Galerkin approximation of linear translation invariant operators," Proceedings of ICASSP, vol. 3, 2021-2024, Toronto, Canada, May 1991. IEEE.

**CML TR91-02** Kent McCormick and Raymond O. Wells, Jr., "Wavelet Calculus and Finite Difference Operators," to appear, Mathematics of Computation.

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**CML TR91-03** Sam Qian, Howard L. Resnikoff, and Raymond O. Wells, Jr., "A Multiresolution of the Boundary Data in a Boundary Value Problem—A One-Dimensional Example"

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**CML TR 91-10** Q. V. Dinh, R. Glowinski, J. He, V. Kwock, T. W. Pan, and J. Periaux, "Lagrange Multiplier Approach to Fictitious Domain Methods: Application to Fluid Dynamics and Electromagnetics," to appear in the Proceedings of the Fifth International Conference on Domain Decomposition Methods for Partial Differential Equations, Norfolk, 1991.

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**CML TR91-21** J. E. Odegard, "The continuous wavelet transform for analysis of non-stationary signals"

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**CML TR91-31** W. W. Symes, "Segmented Data Files: an I/O Standard"

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