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EFFICIENT INTEGRATION OF THE TIME DEPENDENT COLLISIONAL–RADIATIVE EQUATIONS. G. J. Pert, *Department of Applied Physics, University of Hull, Hull HU6 7RX, ENGLAND.*

ON THE SELECTION OF THE PARTICLE TO BE PERTURBED IN THE MONTE CARLO METHOD. Mihaly Mezei, *Department of Chemistry, Hunter College of CUNY, New York, NY 10021, USA.*

A NUMERICAL METHOD FOR TWO PHASE FLOW WITH AN UNSTABLE INTERFACE. J. Glimm and D. Marchesin, *The Rockefeller University, New York, NY 10021;* and O. McBryan, *Mathematics Department, Cornell University, Ithaca, NY 14850, USA.*

NONLINEAR WATER WAVE GENERATION USING THE METHOD OF LINES. Samuel Ohring, *Code 1843, David W. Taylor Naval Ship Research and Development Center, Bethesda, MD 20084, USA.*

VOLUME OF FLUID (VOF) METHOD FOR THE DYNAMICS OF FREE BOUNDARIES. C. W. Hirt and B. D. Nichols, *Theoretical Division, Group T-3, Los Alamos Scientific Laboratory, University of California, P. O. Box 1663, Los Alamos, NM 87545, USA.*