1009-42-212   **Erik M Bollt*** (`bolltem@clarkson.edu`), Dept of Mathematics & Computer Science, Dept of Physics, Clarkson University, Potsdam, NY 13699-5815, and **Luciano da Fontoura Costa**, Cybernetic Vision Research Group, IFSC, University of So Paulo, So Carlos, SP, SP, Brazil. *A Non-Linear Approach to Fast Image Comparison and Registration.*

We will present a nonlinear method of comparing sequences, which is extremely fast as compared to cross-correlation techniques, and which can be adapted to quickly solve image registration problems. (Received August 16, 2005)