Finite Elements

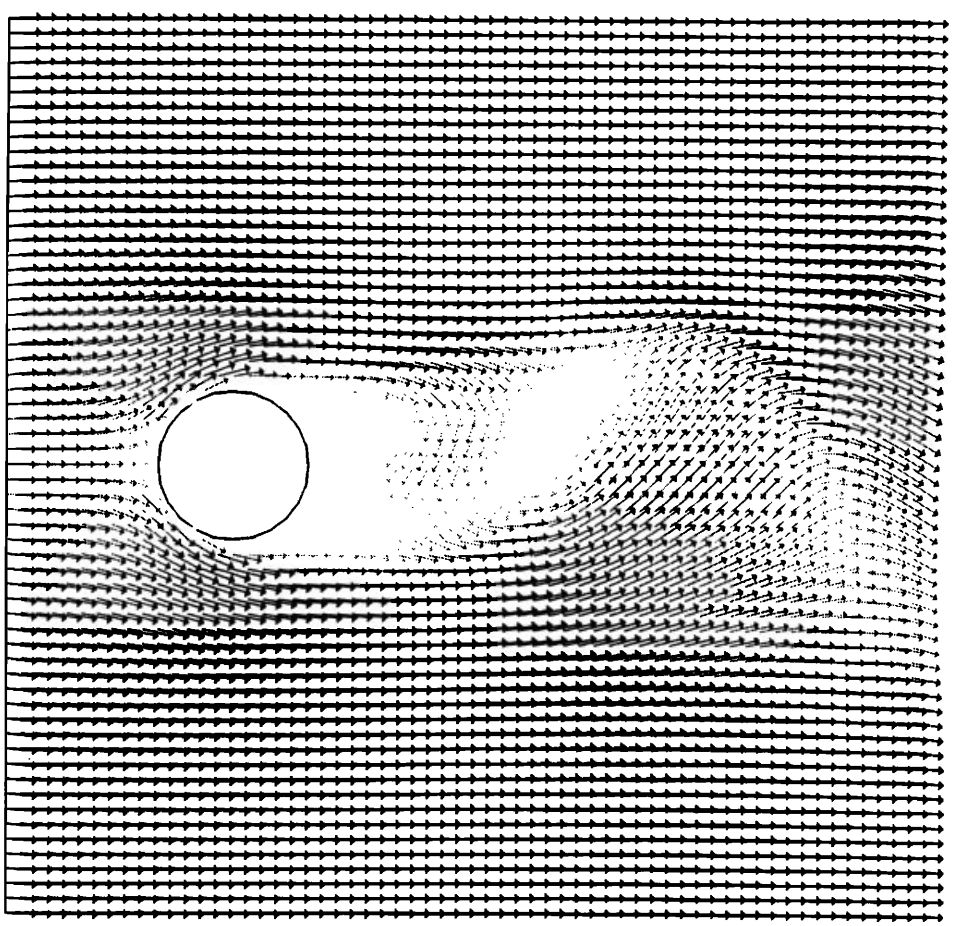

Figure on reverse:
Instantaneous velocity field for uniform flow around a cylinder (approximated by a 24-gon) with Reynolds number 100. Fourth-order finite elements were used on an irregular triangular mesh with 2831 nodal points. (From "Fast Algorithms for High-Order FEM for Incompressible Flow" by L. R. Scott, A. V. Ilin, R. W. Metcalfe and B. Bagheri., page 221)