Modeling Flow, Chemistry and Mechanics in Porous Media

M. F. Wheeler¹

Abstract: We describe realistic physical models for modeling coupled flow, mechanics, and geochemistry in porous media. Robust algorithms for treating relevant applications are discussed and computational results presented.

¹ Institute for Computational Engineering and Sciences The University of Texas at Austin 201 East 24th Street ACE 5.324 — Campus Mail C0200 Austin, TX 78712, USA mfw@ices.utexas.edu