

ON A MODEL IN PORO-ELASTICITY

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ABSTRACT. A modification of the material law associated with the well-known Biot system as suggested by M. A. Murad and J. H. Cushman in 1996 and first rigorously investigated by R. E. Showalter in 2000 is re-considered in the light of a new approach to a comprehensive class of evolutionary problems and extended to large class of anisotropic inhomogeneous media.

The paper is joint work with Des McGhee (Glasgow, U.K.).