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Kadeethum, Teeratorn; Nick, Hamid; Lee, S.; Ballarin, F.

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Enriched Galerkin for Modeling Reservoir Compaction

T. Kadeethum¹, H. M. Nick¹, S. Lee², F. Ballarin³

*¹Technical University of Denmark, Denmark ²Florida State University, Florida, USA ³mathLab,
Mathematics Area, SISSA, Italy*

H. M. Nick

AWF1

We present the enriched Galerkin approximation for modeling coupled fluid flow and solid deformation in heterogeneous porous media. The complete effect between reservoir compaction and permeability alteration is illustrated.