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An upgridding technique for geocellular models, taking into account the uncertainty of reservoir parameters. (English) [Zbl 1450.86002](#)

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Summary: A technique is proposed for upgridding of a geological model, taking into account the uncertainty of reservoir parameters. A distinctive feature of this technique is that the calculation of the upscaling error is based on the solution of two-phase flow equations.

MSC:

86-10 Mathematical modeling or simulation for problems pertaining to geophysics

86A20 Potentials, prospecting

Keywords:

geological model; reservoir model; upgridding; upscaling; uncertainty of reservoir parameters

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