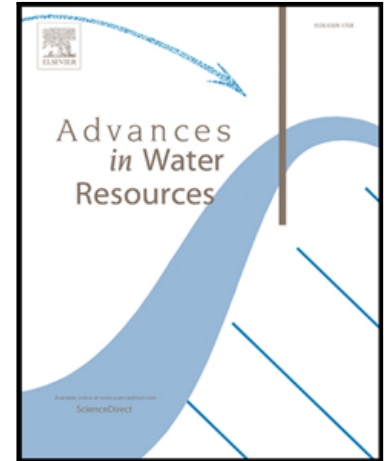


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Inherent relevance of MRMT models to concentration variance and mixing-induced reactivity

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1 Highlights

- 2 • Generic models of concentration variability in diffusion-dominated porosities.
- 3 • Mobile/immobile models like MRMT are relevant for concentration mean and variance.
- 4 • Combinations of porosities in MRMT inherently conserve concentration variance.
- 5 • Equivalent MRMT models approximate well homogeneous and heterogeneous reactivities.
- 6 • Equivalent MRMT should be of the same minimal dimension as the input/output system.

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