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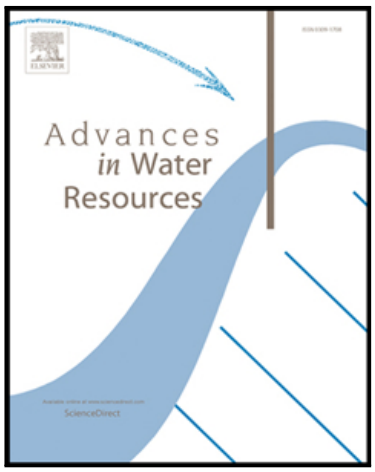

Estimation of Relative Permeability and Capillary Pressure from Mass Imbibition Experiments

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Highlights

- Provide a procedure to obtain the C constant from mass imbibition data and discuss its application.
- Develop an understanding of spontaneous imbibition of uniformly water-wet media experimentally and compare it with the semi-analytical solution.
- Provide a systematic procedure to extract imbibition relative permeability and capillary pressure from simple mass imbibition experiments.
- Discuss how to use spontaneous imbibition experiments, in combination with other, more traditional measurements, to determine imbibition capillary pressure and relative permeability.

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