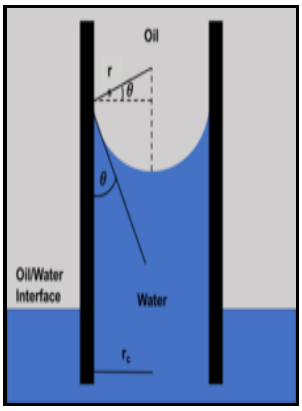
Capillary properties of model pores

- - Anatomy of the Peritoneum



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Multiphase Flow in Porous Media: II. Pore

Several pore-level models have been used in the past; they vary with respect to dimensionality, and connectedness of pore space, shape of pore segments and details of pore-level mechanisms used. Above the transition zone, only hydrocarbons will flow.

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The advent of cell culture techniques in recent years has facilitated the assessment of intestinal permeability for many drugs.

Capillary Bundle Model

If solute concentration variation is considered only along the axial direction, the problem can be reduced to one dimension and is amenable to theoretical solution.

Capillary Pressure

Briefly, the reconstruction processes can be divided into three steps: 1 generation of curved single fiber using morphological data from 3D micro-CT images of realistic PMFSS; 2 construction of prime fiber system as accumulations of single fibers; 3 conversion from arbitrary overlapping into non-overlapping fiber system via ball-chain simulation. Our experimental study covers 4 orders of magnitude with respect to the injection flow rate and highlights the characteristics of immiscible displacement processes during the transition from the capillarity-controlled interface displacement regime at lower flow rates, where the pores are invaded sequentially in the form of Haines jumps, to the viscosity-dominated regime, where multiple pores are invaded simultaneously. This is true whether the fluids are oil and water, water and gas even air , or oil and gas.

Validation of pore network modeling for determination of two

These results are consistent with the hydration of the paper surface ahead of the liquid front, as described earlier.

Characterization and comparison of capillary pore structures of digital cement pastes

Society of Petrophysicists and Well-Log Analysts. However, the method has lacked a comprehensive experimental verification.

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