

Anchoring Multi-Scale Models to Micron-Scale Imaging of Multiphase Flow in Rocks

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Introduction

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Figure S3 shows the three-phase segmentation based on the porosity distribution map.

Figure S4 shows microporosity distribution of the sample.

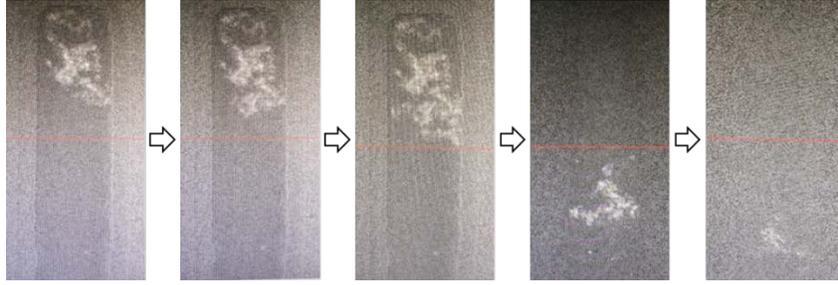


Figure S1. Fluid flow variation on X-ray radiograph to track the saturation change in the sample during the equilibration.

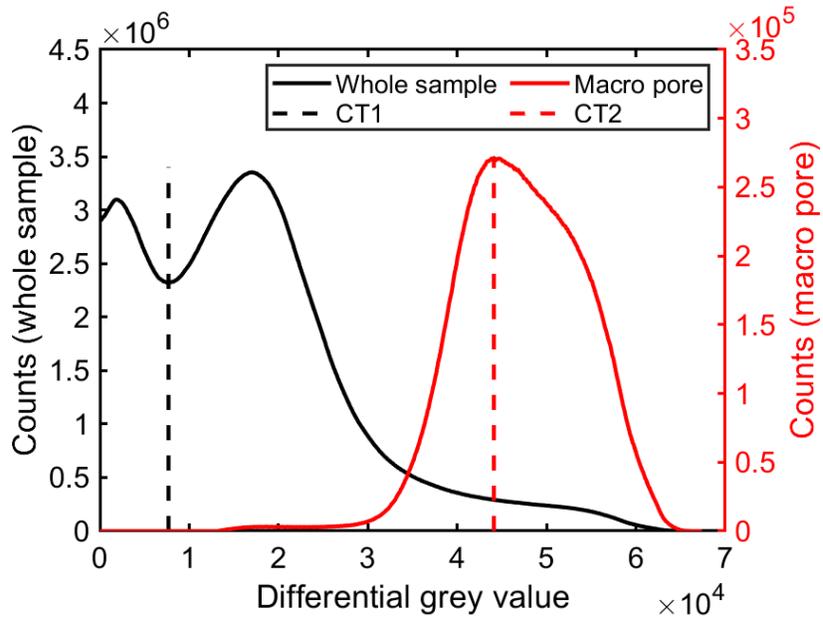


Figure S2. The grey value histogram of differential image between dry scan and brine saturated scan. The CT1 and CT2 are denoted as the thresholds for solid (0% porous) and open porosity (100% porous) respectively.

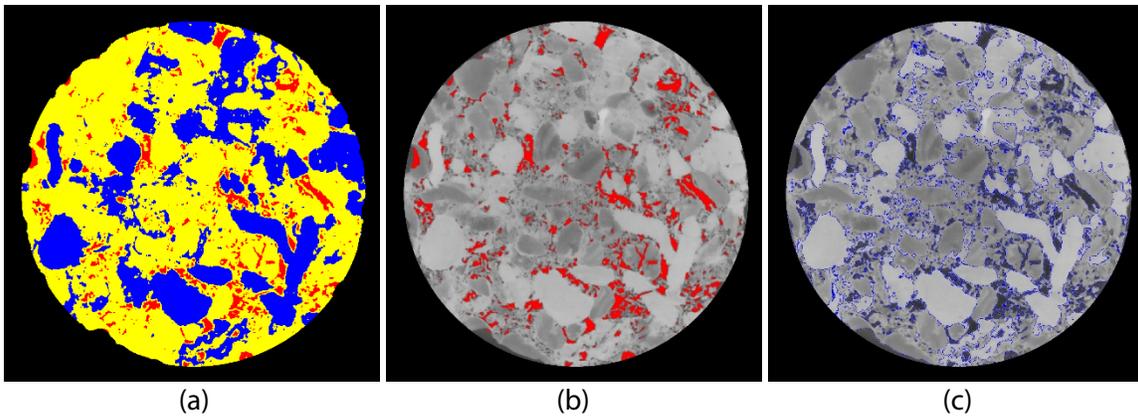


Figure S3. Segmentation based on the porosity distribution map. (a) Segmentation for the whole sample. The red is macropore, the yellow represents microporous region and the blue is solid grain. (b) Macropore overlap on the image. (c) Boundary of the microporous region.

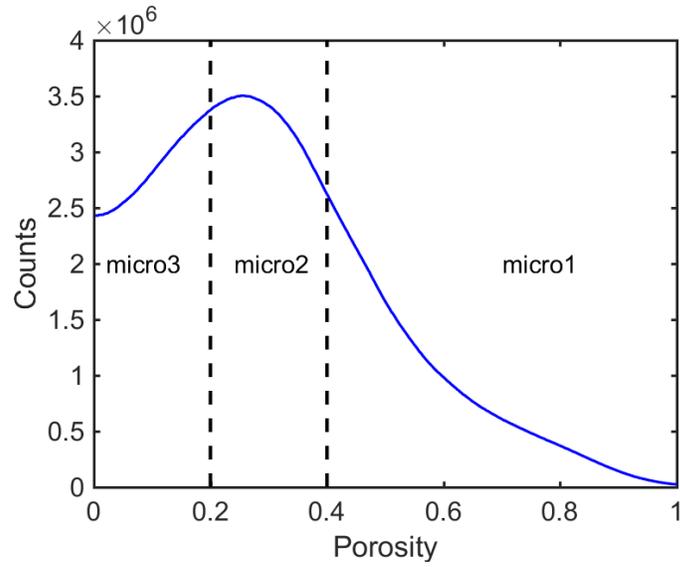


Figure S4. Microporosity distribution of the sample.