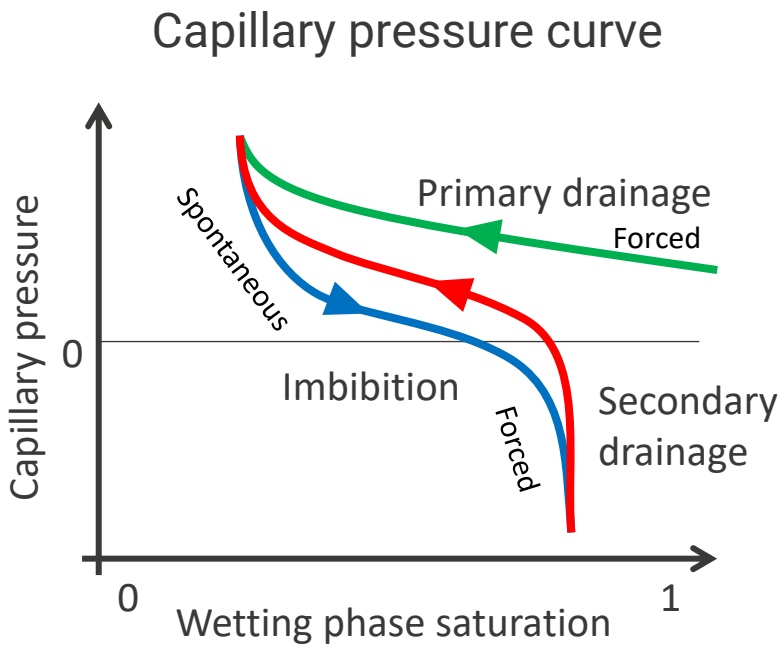
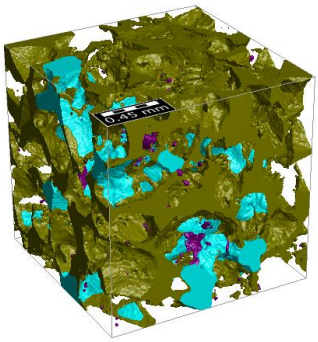
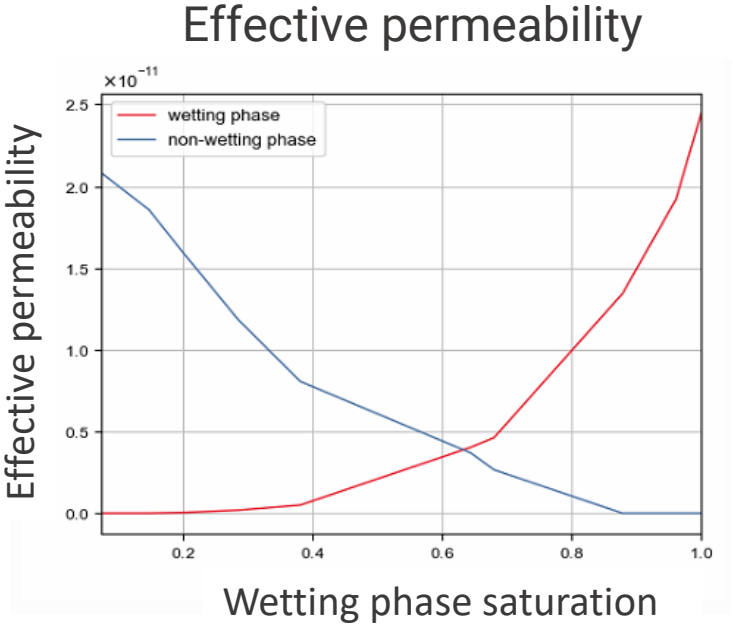
Digital Rock Physics
Special Core Analysis at a Glance

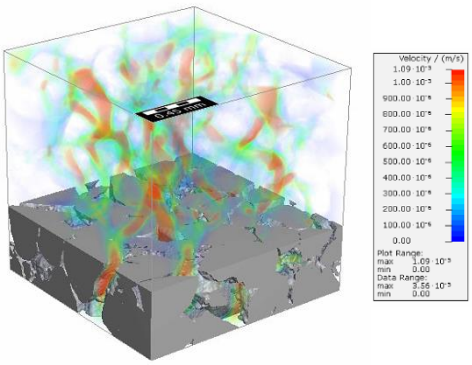




Primary drainage simulation: Non-wetting (invading) and wetting (replaced and residual) phases' distribution at a given pressure can be simulated.

- Quasi Static Pore Morphology Method
- Dynamic Pore Morphology Method





Mean flow velocity map

The effective permeability at a given saturation provides relative permeability

Rigaku

TOOLS & RESOURCES

- Deep Dive Workshop Series – Digital Rock Analysis
- GeoDict – The digital material laboratory by Math2Market
- Digital Rock Physics by Dr. Jens-Oliver Schwartz (GeoDict User Meeting 2020 presentation recording)
- Workshop: Digital Core Analysis (parts 1-3) using GeoDict 2022
- GeoDict video: Advances in two-phase and single-phase flow simulations
- PERM Inc. Fundamentals of Fluid Flow in Porous Media

CONTACT US

imaging@rigaku.com

LET'S LEARN TOGETHER

All of our past webinar and workshop recordings, application examples, a publication list, and blog articles are available at imaging.rigaku.com.

Subscribe to the email updates to stay informed about new articles, recommended publications and books, and upcoming events.