## Mathematical models and finite elements for reservoir simulation, North Holland GROSS REUSKEN incompressible flows Springer-Verlag Numerical methods for two-phase

CHAVENT JAFFRE

VOHRALIK WHEELER

A posteriori error estimates, stopping

criteria and adaptivity for two-phase

flows, Comput. Geosci (2013)

RIVIERE

Discontinuous Galerkin methods for solving elliptic and parabolic equations, BEN GHARBIA JAFFRE Gas phase appearance and disappearance math. Comput. Simulation (2014) as a problem with complementritty constraint

A new approach for phase transitions in LAUSER HAGER HELMIG WOHLMUTH Frontiers in Applied Mathematics SIAM DI PIETRO FLAURAUD VOHRALIK

Multiphase flow and transport processes

modeling of hydrosystems, Springerin the subsurface-A contribution to the

Verlag (1997)

1980-2000

miscible multiphase flow in porous media Advances in Water Ressources (2011) YOUSEF compositional Darcy flows in porous criteria, and adaptivity for multiphase A posteriori error estimates, stopping

2000-2011 media, J. Comput. Phys. (2014) 2012-2019