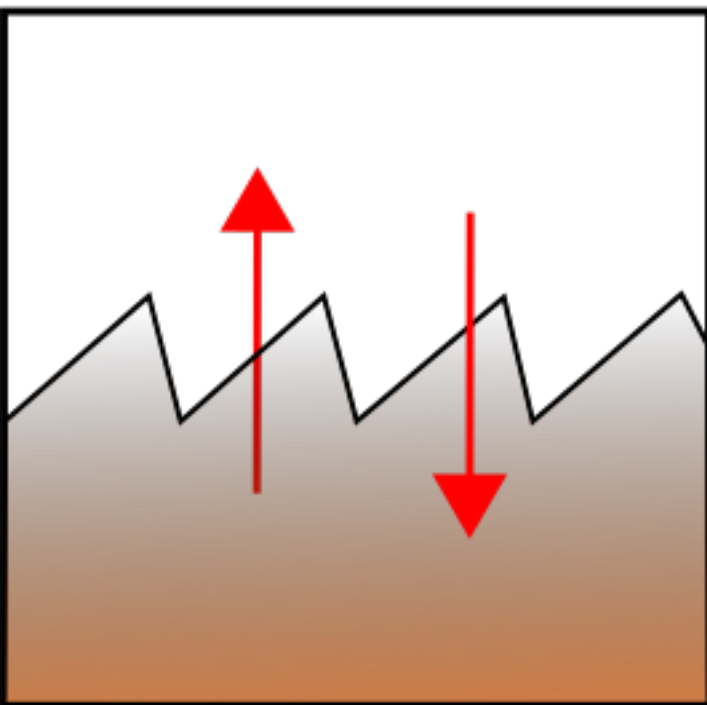


Free-Flow Domain:

- Turbulent Flow
- RANS Based Eddy Viscosity Model
- Compositional, Non-Isothermal



Coupling Interface:

- Mosthaf et al. 2011, Fetzer et al. 2016
- Local Thermal Equilibrium



Porous Media Domain:

- REV Concept
- Multiphase Darcy's Law
- Compositional, Non-Isothermal