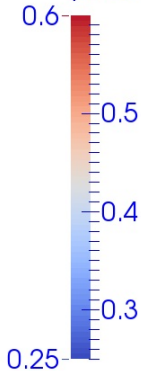


phase 1: saturation



phase 1: Darcy velocity

