

bridge of wetting phase across pore throat occupied by nonwettting phase. On either side is cylindrical solid pillar, representing solid in pore network.



schematics of wetting phase connecting between pillars to get around a pore body occupied by nonwetting phase.

illustration of flow in 32x32 network. Green (both shades): backbone for flow of nonwettting phase. Black: other pores and throats occupied by nonwettting phase. Blue: pathways for wetting phase to flow. On left, illustrations of three locations where wetting phase must navigate between corners around pillars to get around pore bodies and throats occupied by nonwettting phase.