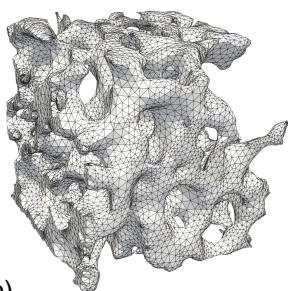


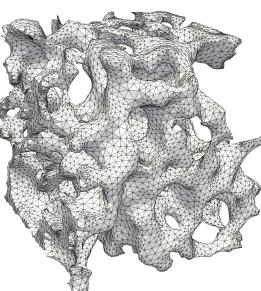
(a)

emphysema progression

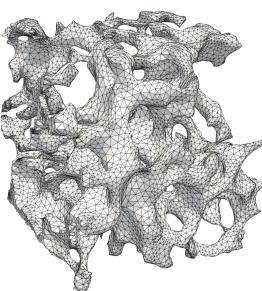
$\phi = 0.621$



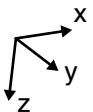
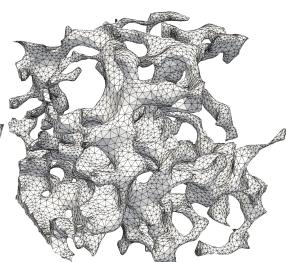
$\phi = 0.711$



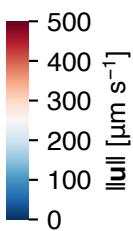
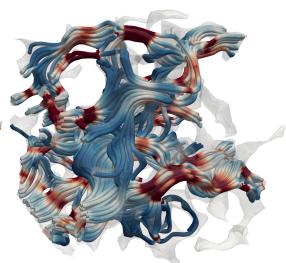
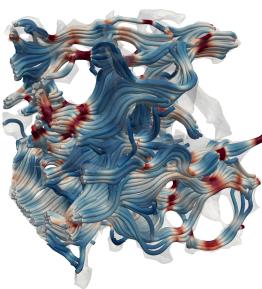
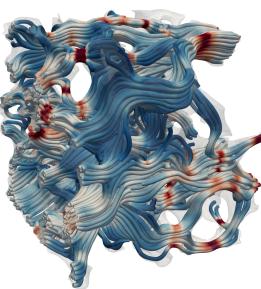
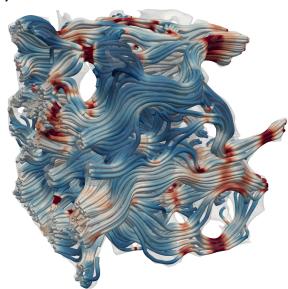
$\phi = 0.794$



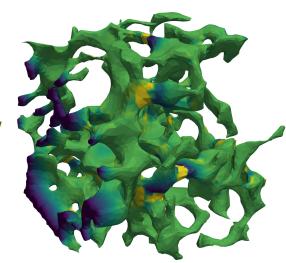
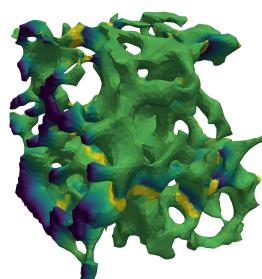
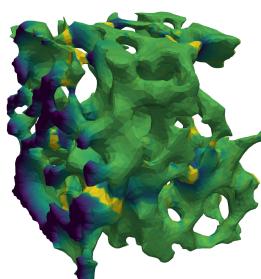
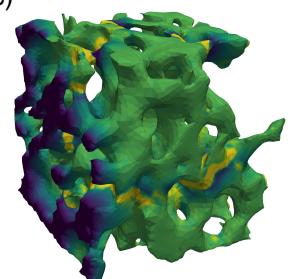
$\phi = 0.867$



(b)



(c)



(d)

