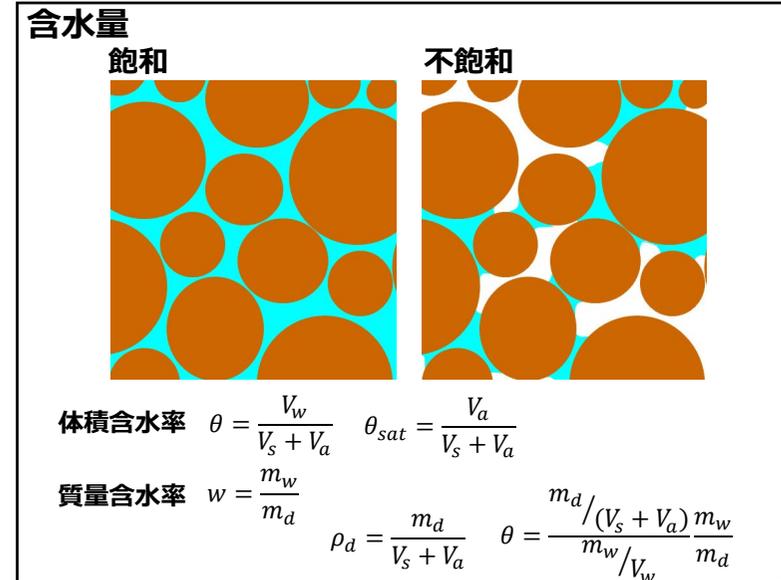
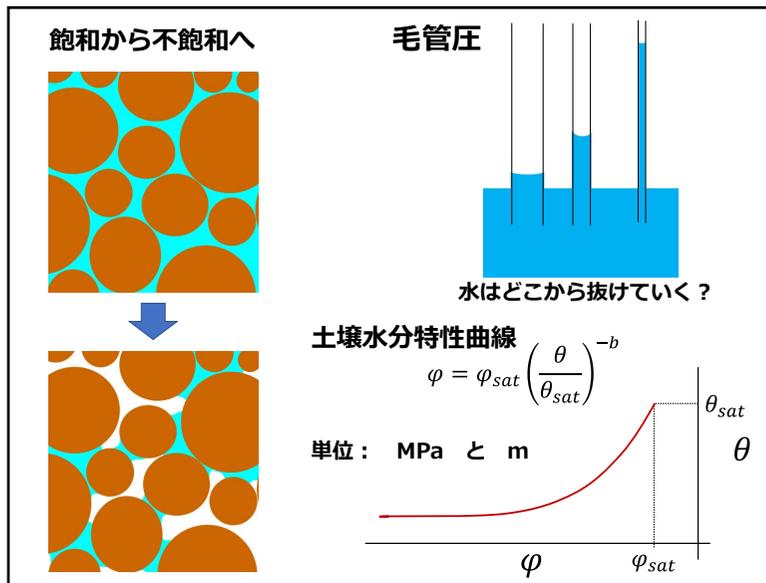


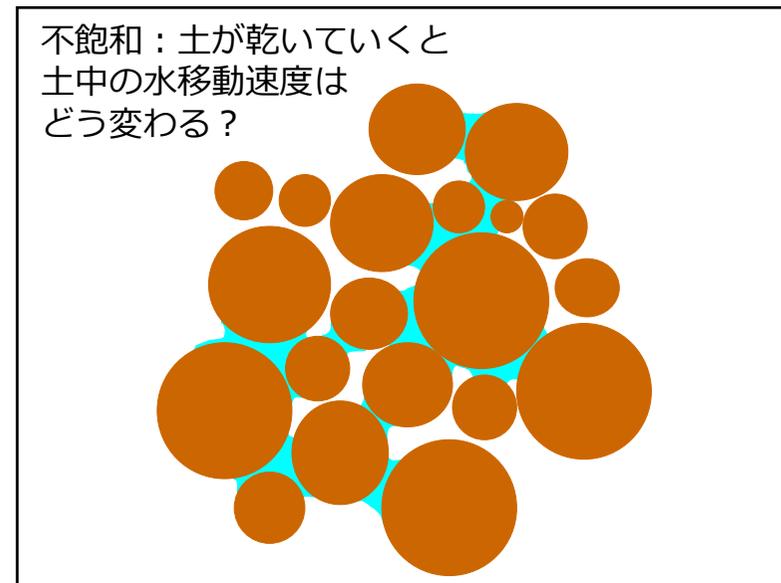
1



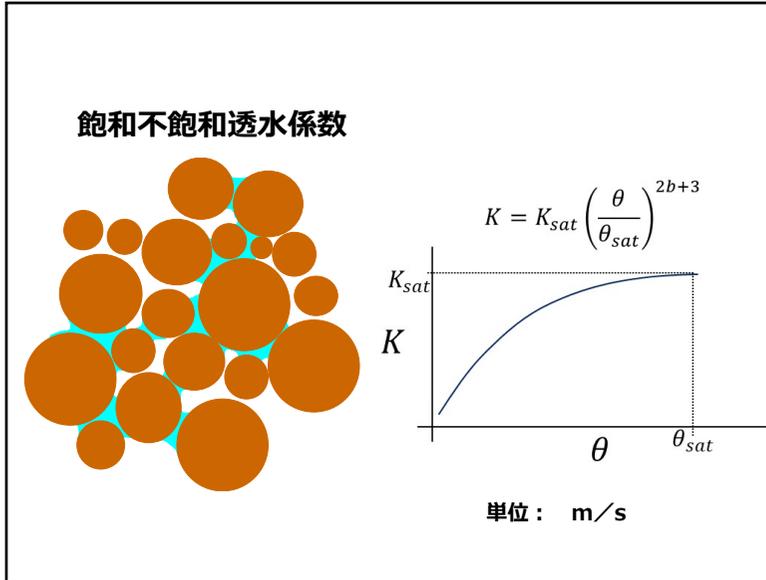
2



3



4



5

Darcyの法則

$$F = -K_s(\psi) \frac{\partial(\psi + z)}{\partial z}$$

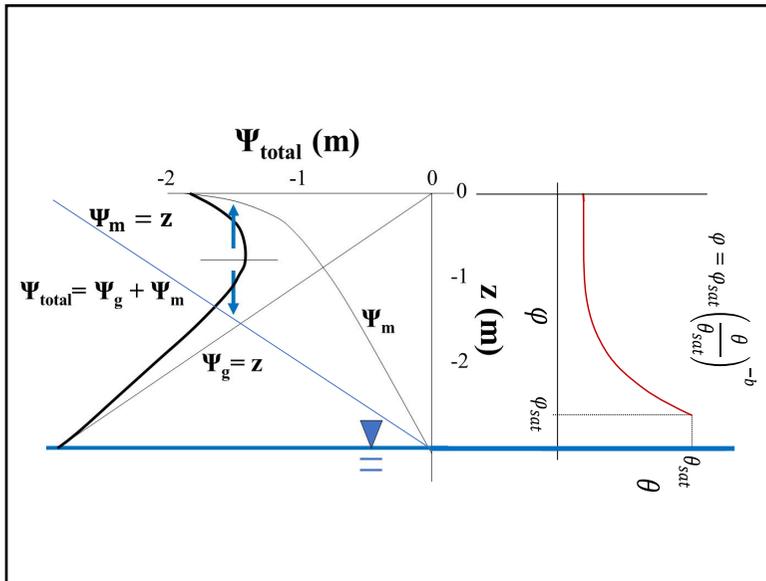
連続条件

$$\frac{\partial \theta}{\partial t} = -\frac{\partial F}{\partial z}$$

Richards方程式

$$\frac{\partial \theta}{\partial \psi} \frac{\partial \psi}{\partial t} = \frac{\partial}{\partial z} \left[K_s(\psi) \left(\frac{\partial \psi}{\partial z} + 1 \right) \right]$$

6



7



8