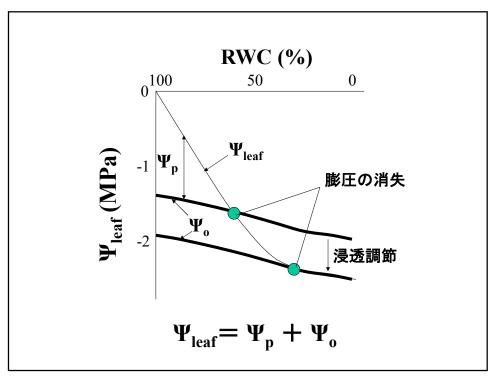
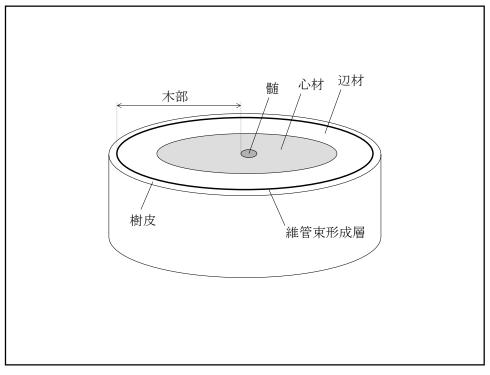
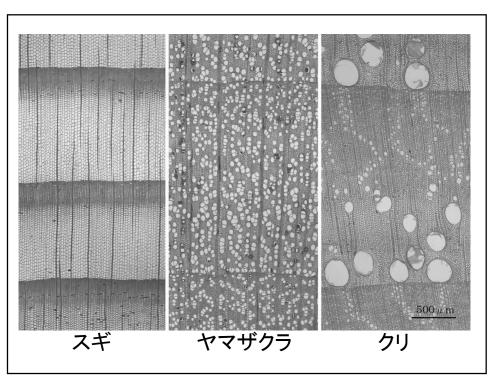
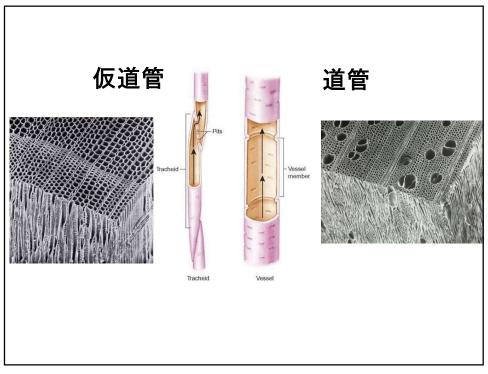


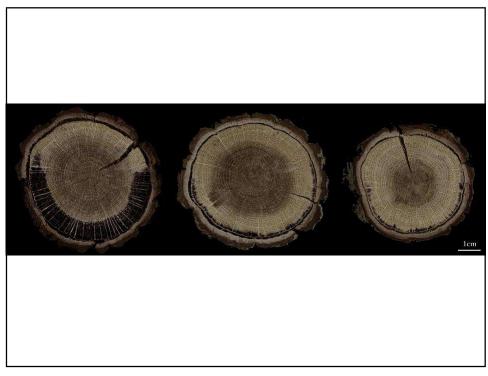
 $\Psi_{\text{leaf}} = \Psi_p + \Psi_o$ $\pi_{\text{leaf}} = \Psi_p + \Psi_o$ $\pi_{\text{leaf}} = \Psi_p + \Psi_o$ $\pi_{\text{leaf}} = \Psi_p + \Psi_o$

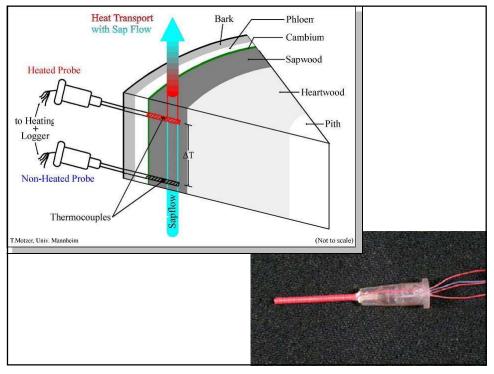


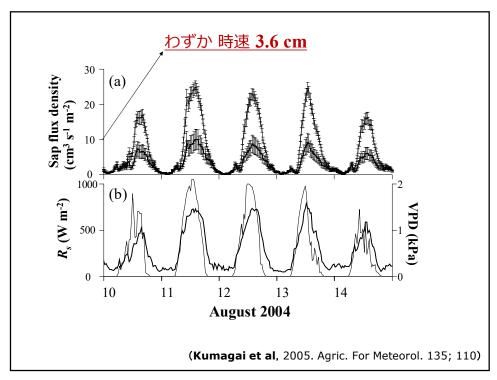


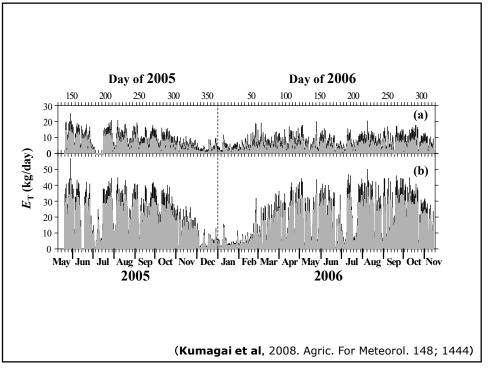


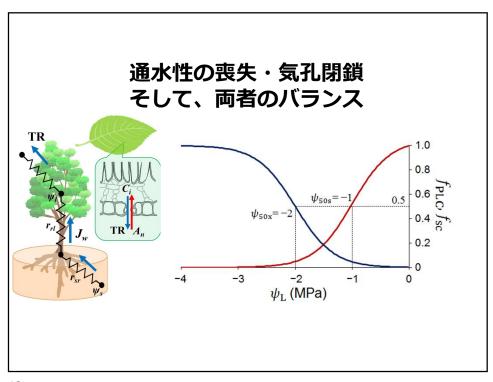


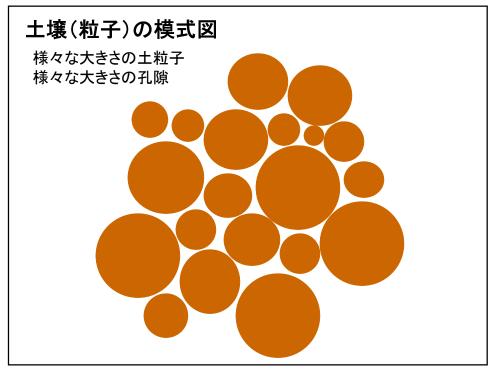


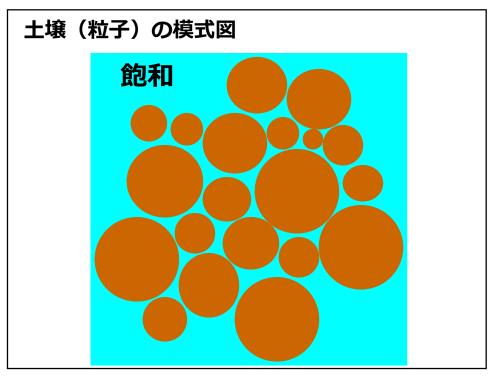


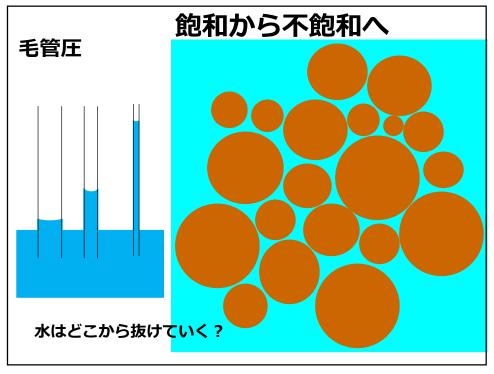


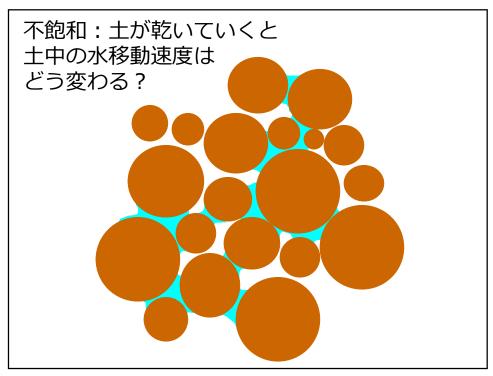


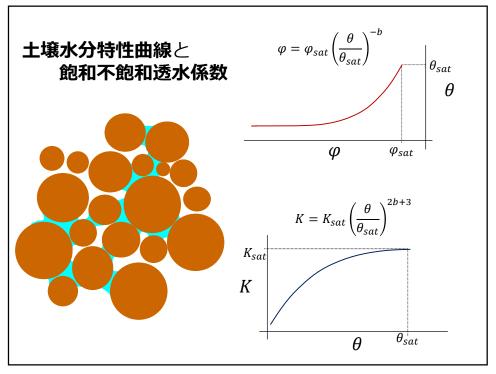












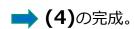
Soil-Plant-Atmosphere Continuum (SPAC)

$$TR = g_{sh}\{H_{sat}(T_s) - H_s\} = 1.6g_{sc}\frac{D}{P}$$
 (1)

$$A_n = g_{sc}(C_a - C_i) \tag{2}$$

$$TR = \frac{\psi_s - \psi_l}{LAI \, r_{sr} + r_{rl}} = J_w \quad (3)$$

(1)、(2)より g_s 消去で A_n にまとめる。 これに、(3)を代入。





 ψ_l は ψ_l (通水性が低下し始める ψ_l)より下がらない。

$$\psi_l = \psi_{tl} \qquad (5)$$

$$r_{rl} = \frac{1}{G_{rlmax}} \quad (6)$$

19

$$J_{w} = \frac{\psi_{s} - \psi_{r}}{r_{sr}} = -K \frac{d\psi}{dz} = K \frac{\psi_{s} - \psi_{r}}{L_{sr}}$$
$$L_{sr} = \frac{\pi L_{r}}{\sqrt{RAI}}$$

を利用して **r**sr (7) を得る。

(5)、(6)、(7)を利用して(4)を整理。 $A_n = \gamma^*(C_a - C_i)$ 圏類領域は $A_n = \min(A\mathrm{v},A\mathrm{j}) - R\mathrm{d}$

$$\underline{\underline{A_n = \gamma^*(C_a - C_i)}}$$

$$\underline{\underline{A_n = \min(Av, Aj) - Rd}}$$

$$A_n = \min(Av, Aj) - Rd$$

