

ΑΣΚΗΣΗ 6.12

Να αποδειχθούν οι σχέσεις (6.71) και (6.72)

$$t = \frac{\rho_c}{\rho_m - \rho_c} h$$

(6.71)

$$t' = \frac{\rho_c - \rho_w}{\rho_m - \rho_c} h'$$

(6.72)

$$T\rho_c + d_{m1}\rho_m - (d_{m1} - t)\rho_m = (h + T + t)\rho_c$$



$$T\rho_c + t\rho_m = (h + T + t)\rho_c$$



$$T\rho_c + t\rho_m = h\rho_c + T\rho_c + t\rho_c$$



$$t = \frac{\rho_c}{\rho_m - \rho_c} h$$

$$T\rho_c = h' \rho_w + (T - h' - t')\rho_c + t' \rho_m$$



$$T\rho_c = h' \rho_w + T\rho_c - h' \rho_c - t' \rho_c + t' \rho_m$$



$$t' = \frac{\rho_c - \rho_w}{\rho_m - \rho_c} h'$$