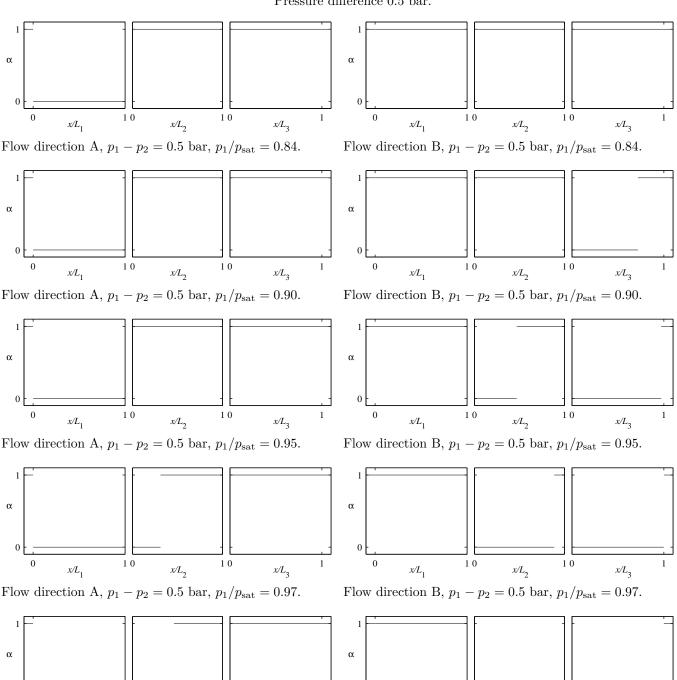
Isobutane,  $d_1=10$  nm,  $L_1=20$  µm,  $d_2=100$  nm,  $L_2=150$  µm,  $d_3=6$  µm,  $L_3=2$  mm. Vapor volume fraction  $\alpha$  in the membrane layers.

## Pressure difference 0.5 bar.



Flow direction B,  $p_1 - p_2 = 0.5$  bar,  $p_1/p_{\text{sat}} = 1.0$ .

Flow direction A,  $p_1 - p_2 = 0.5$  bar,  $p_1/p_{\text{sat}} = 1.0$ .