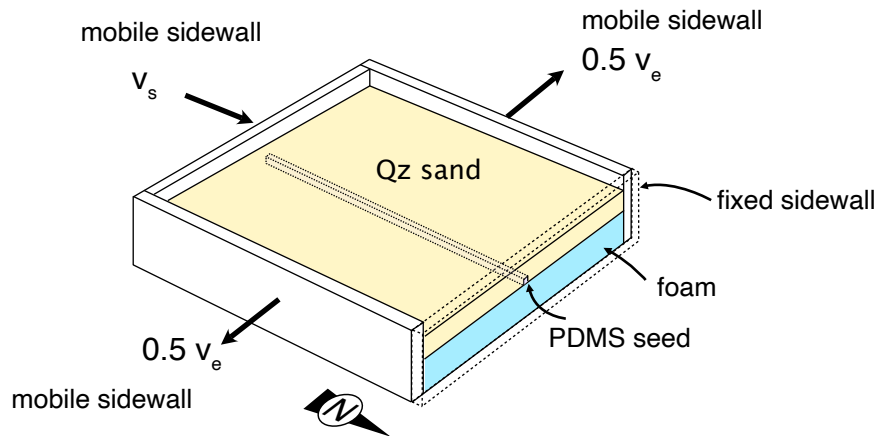
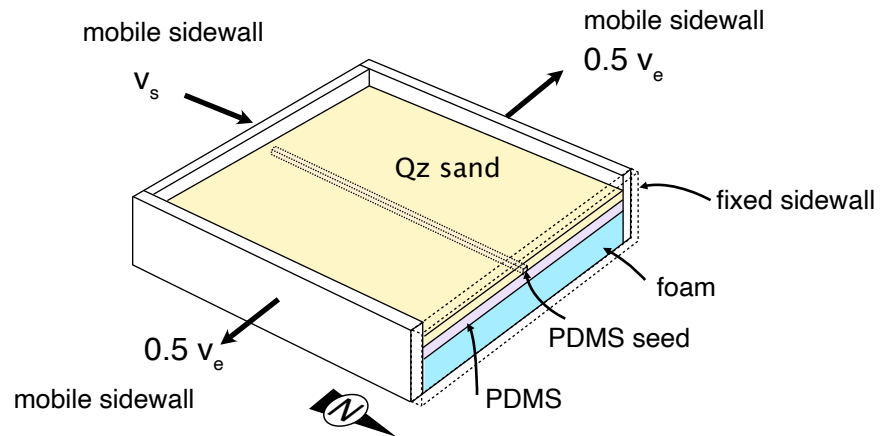


**(a) Brittle crust**  
(models BI01 to BI10)



**(b) Brittle-ductile crust**  
(models CE16 to CE20)



**Model**

**Seed**

**Model**

**Seed**

Strength  $\sigma_1 - \sigma_3$  (Pa)

Strength  $\sigma_1 - \sigma_3$  (Pa)

Strength  $\sigma_1 - \sigma_3$  (Pa)

Strength  $\sigma_1 - \sigma_3$  (Pa)

0 1000 2000

0 1000 2000

0 1000 2000

0 1000 2000 Qz sand

Extension

depth (cm)

depth (cm)

depth (cm)

depth (cm)

