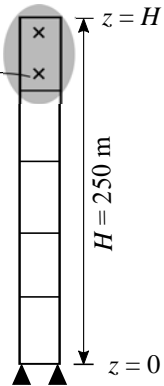


(a) Model geometry:

Gauss point:
the proposed
constitutive model



$$\dot{Q}(z = H, t) = 0.0,$$

Q is the fluid flux.

$$e_0 = 0.23$$

$$u(z = 0, t) = 0$$

$$p_w(z = 0, t) = p_b(t)$$

(b) Initial and boundary conditions:

