

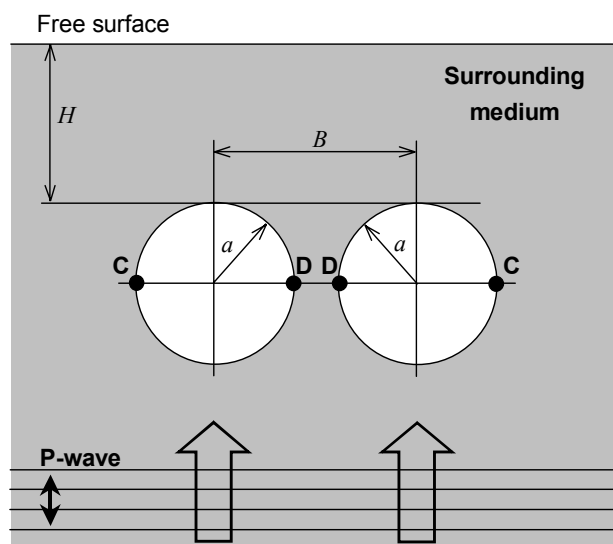


Figure 1. The model employed in the analysis.

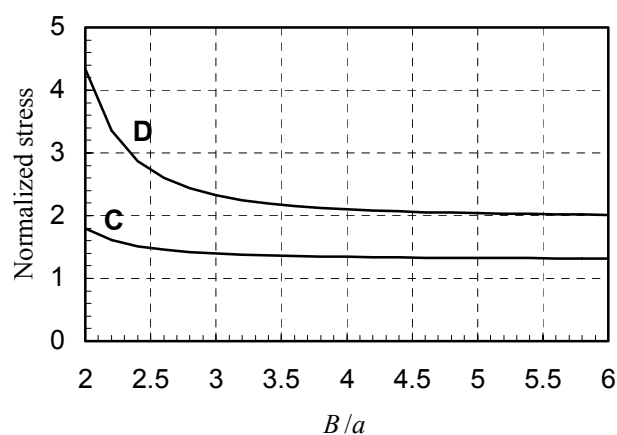


Figure 2. The relation between the maximum circumferential stresses induced on the sidewall (at points C, D) and the distance B/a between the centers of the tunnels (overburden $H/a = 1$, incident wavelength $\lambda/a = 400$, Poisson's ratio 0.25). The stresses are normalized with respect to the stress amplitude of the incident wave.

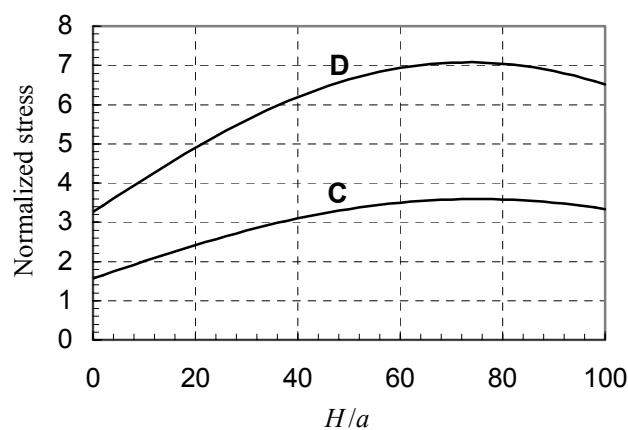


Figure 3. The relationship between the maximum circumferential stresses induced on the sidewall (at points C, D) and the overburden H/a (distance between the centers of the tunnels $B/a = 2.2$, incident wavelength $\lambda/a = 400$, Poisson's ratio 0.25). As before, the stresses are normalized with respect to the stress amplitude of the incident wave.