

Figure 1: A definition sketch of the problem.

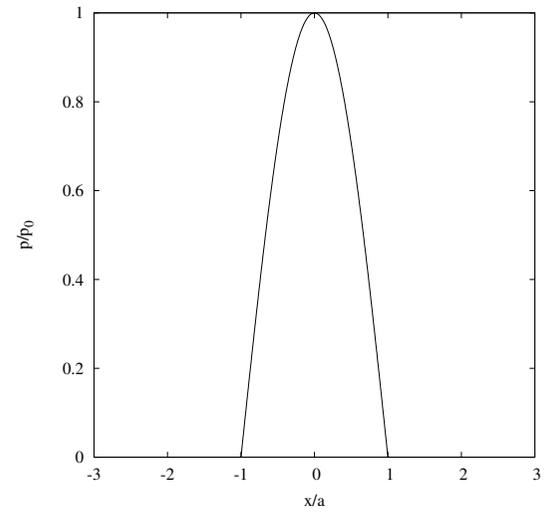
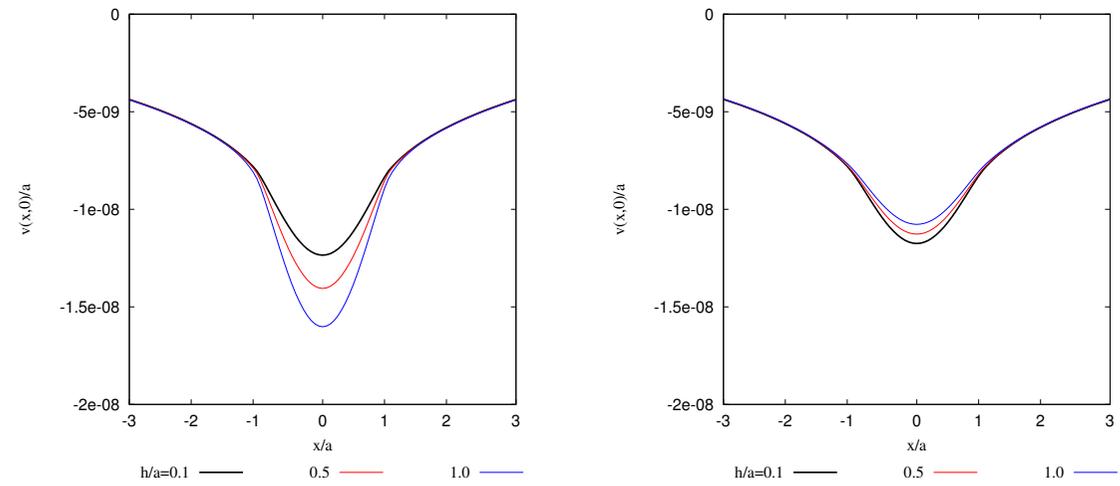


Figure 3: Applied pressure $p(x)$ over the dimensionless contact region $[-3, 3]$



(a) $\mu_1/\mu_0 = 0.25$

(b) $\mu_1/\mu_0 = 2$

Figure 5: Surface deflection $v(x, 0)$ over the dimensionless contact region $[-3, 3]$