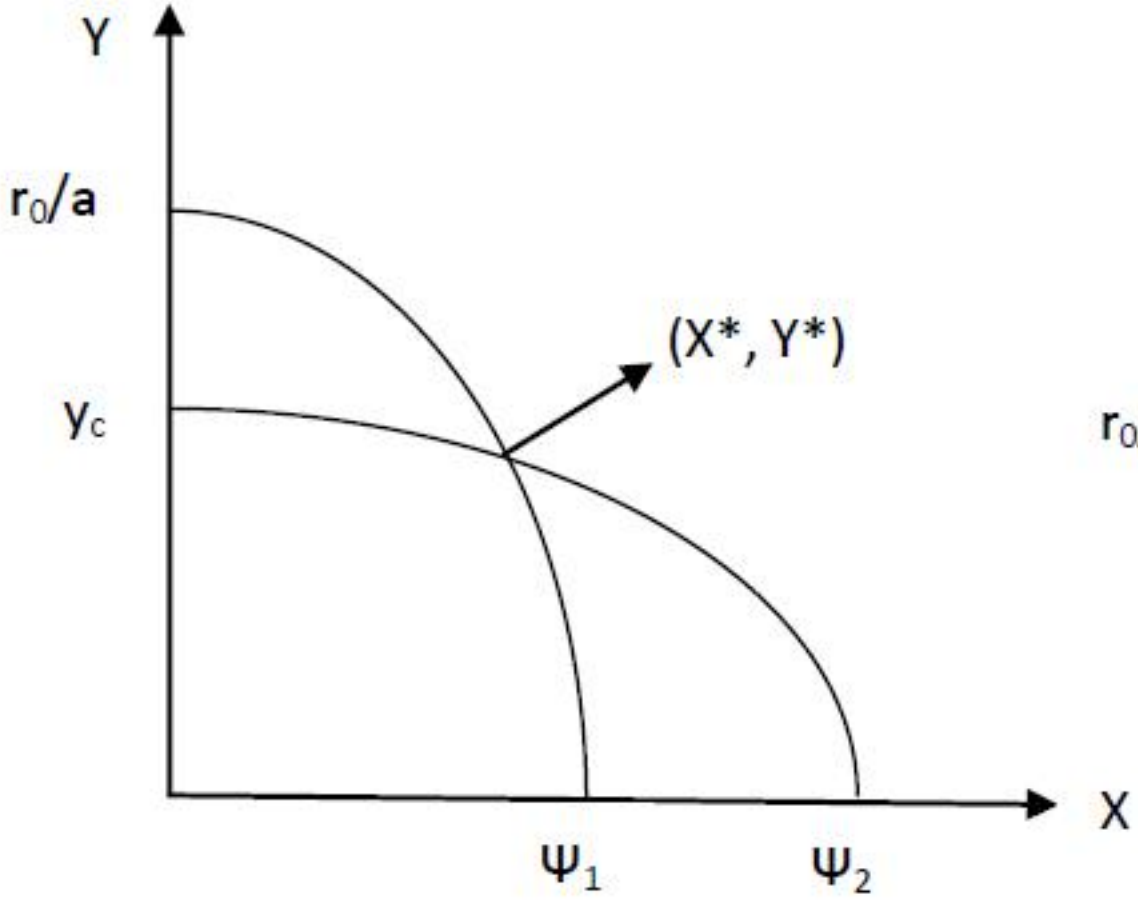
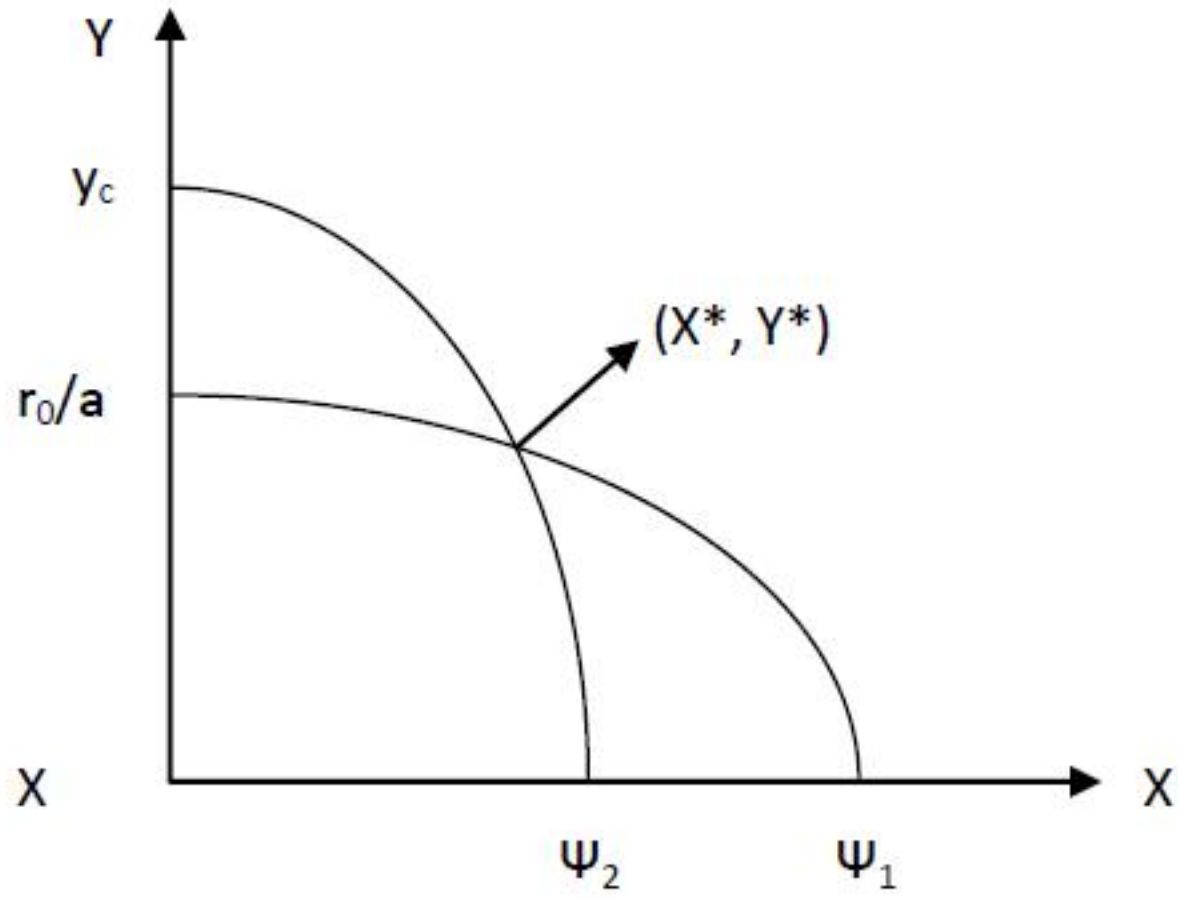


$\Psi_2 > \Psi_1, r_0/a_1 > y_c$



$\Psi_2 < \Psi_1, r_0/a_1 < y_c$