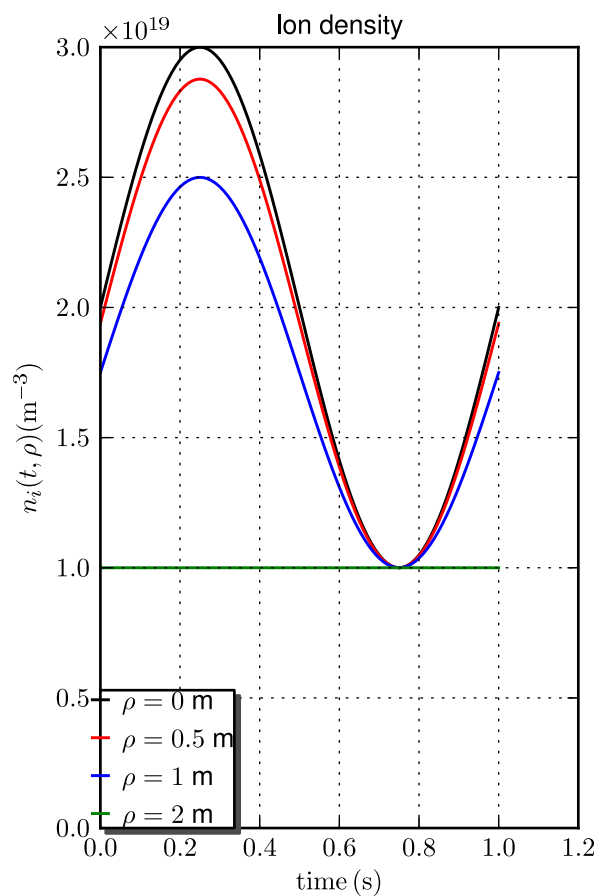
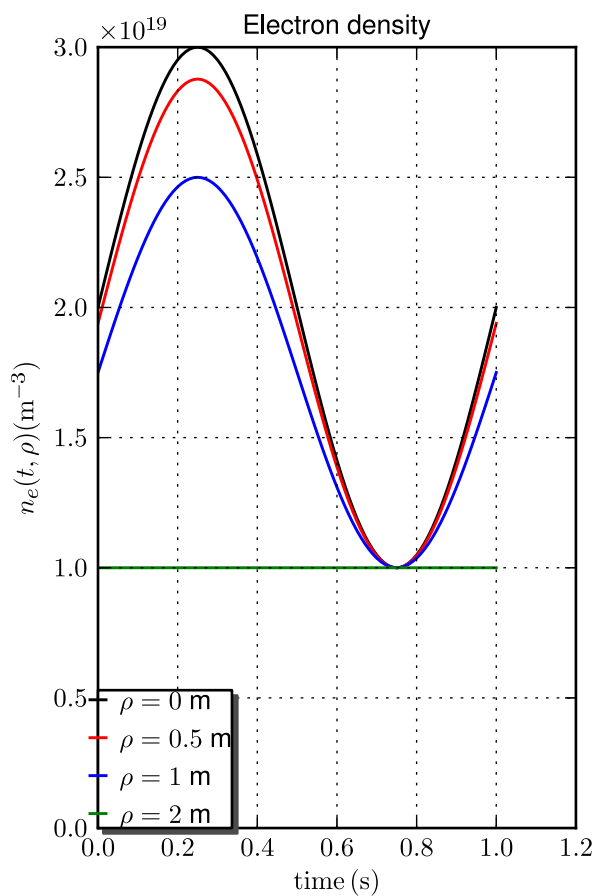
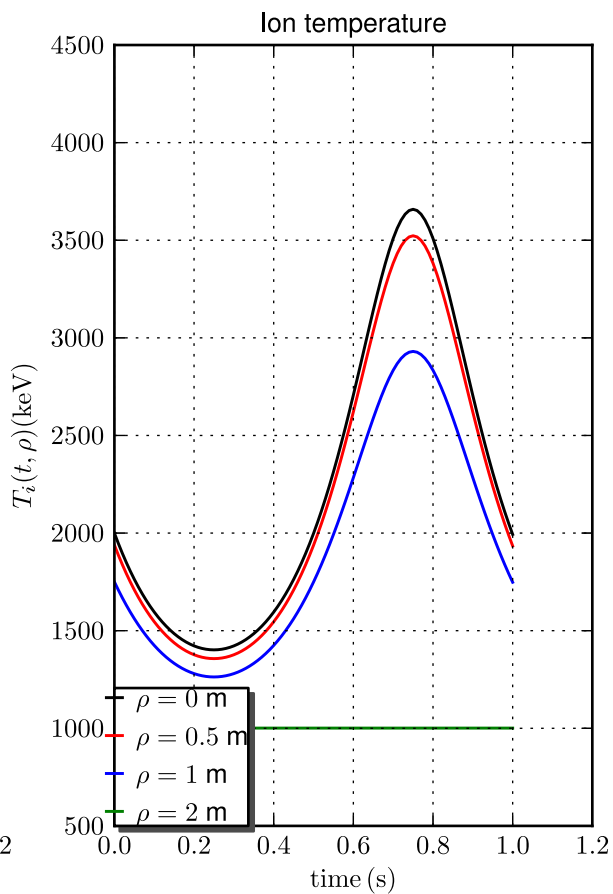
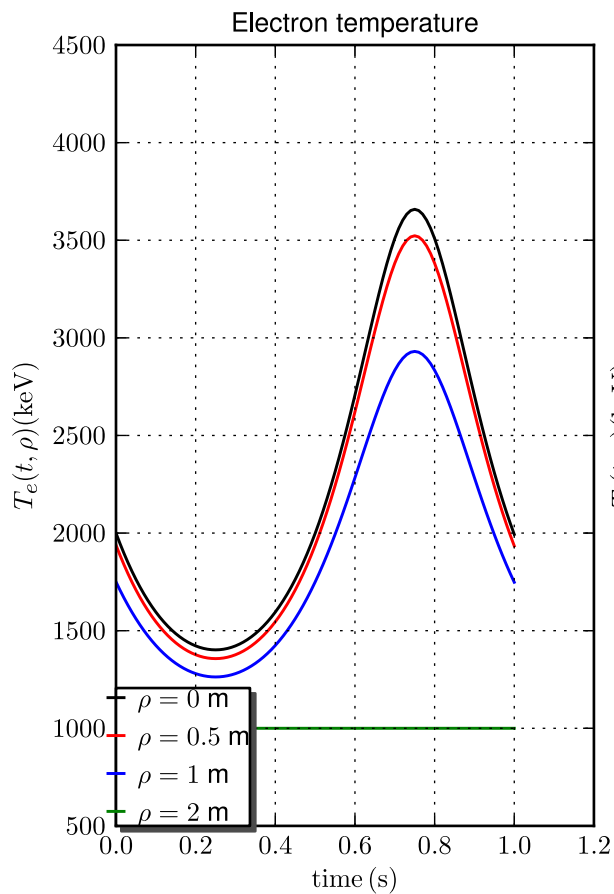
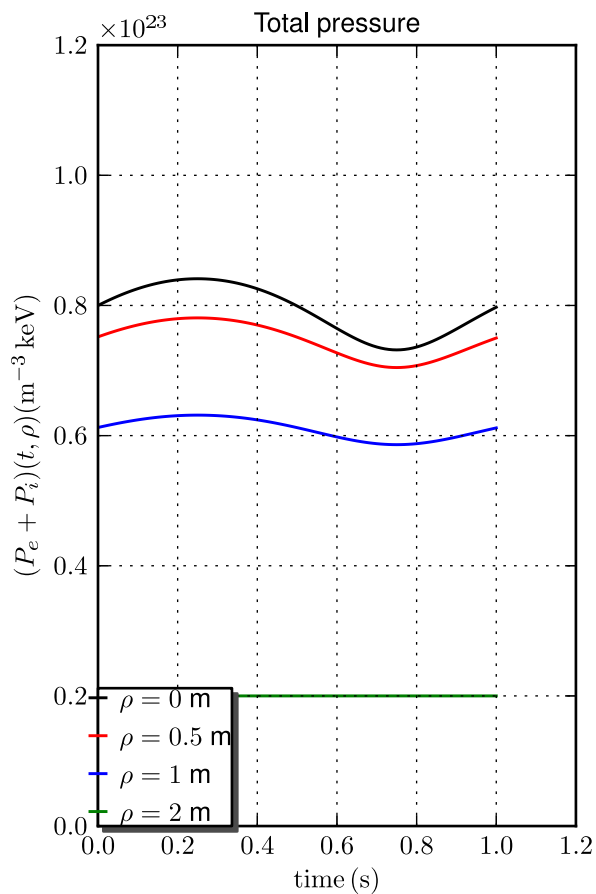
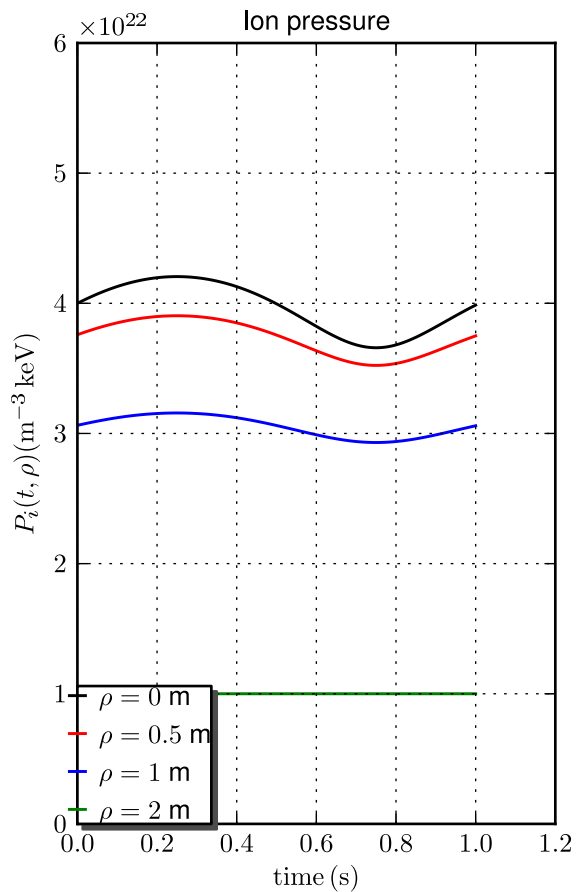
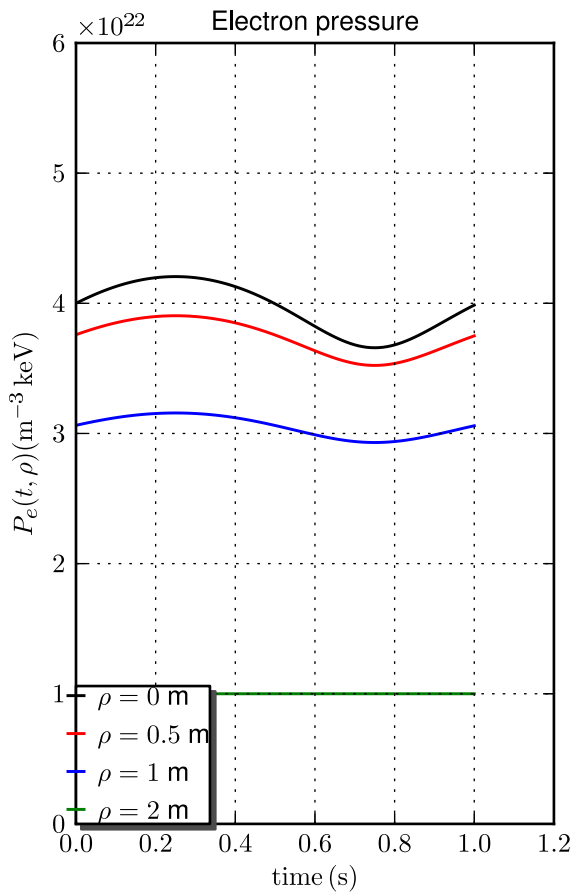


Profiles for  $n_e = 1 + [1 + \sin(2\pi t/T_{osc})][1 - (\rho/a_0)^2]$   
 [Case: I.1.2.a, Solver: 4,  $D = 0.0 \text{ m}^2/\text{s}$ ,  $v = 0.00 \text{ m/s}$ ,  $\Delta t = 1.01$ ,  $\tau = 1.0 \times 10^{-2} \text{ s}$ ,  $N_\rho = 101$ ]



$$\text{Profiles for } n_e = 1 + [1 + \sin(2\pi t/T_{\text{osc}})][1 - (\rho/a_0)^2]$$

[Case: I.1.2.a, Solver: 4,  $D = 0.0 \text{ m}^2/\text{s}$ ,  $v = 0.00 \text{ m/s}$ ,  $\Delta t = 1.01$ ,  $\tau = 1.0 \times 10^{-2} \text{ s}$ ,  $N_\rho = 101$ ]



Profile input/output relative error

[Case: I.1.2.a, Solver: 4,  $D = 0.0 \text{ m}^2/\text{s}$ ,  $v = 0.00 \text{ m/s}$ ,  $\Delta t = 1.01$ ,  $\tau = 1.0 \times 10^{-2} \text{ s}$ ,  $N_\rho = 101$ ]

