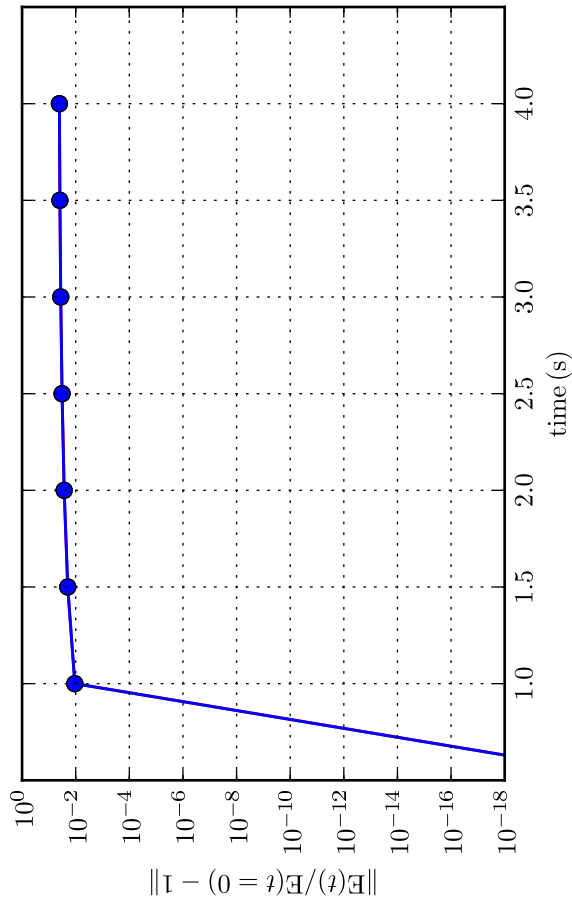
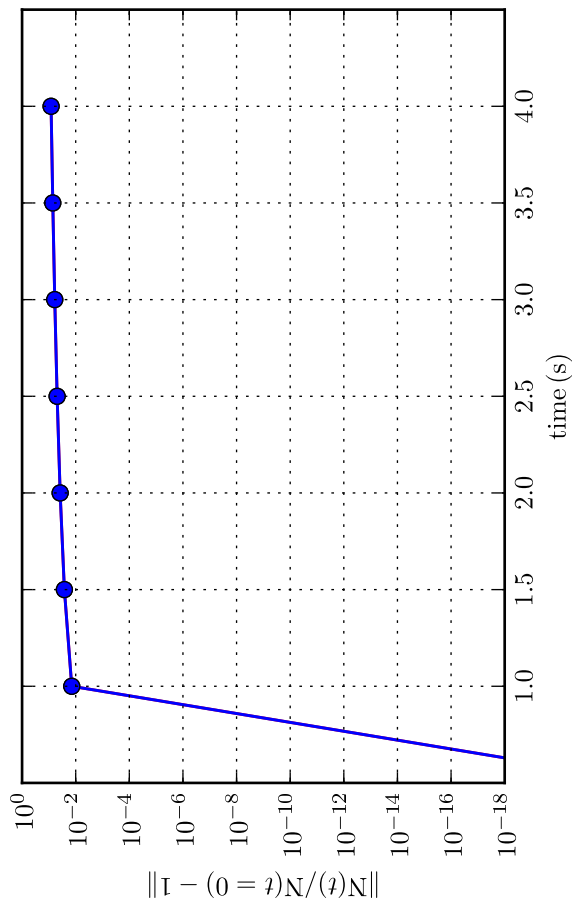
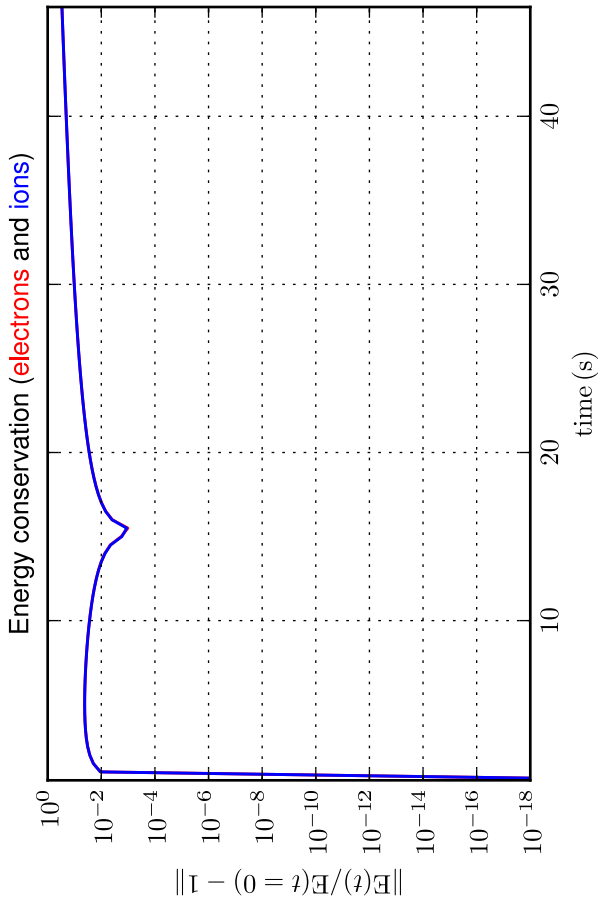
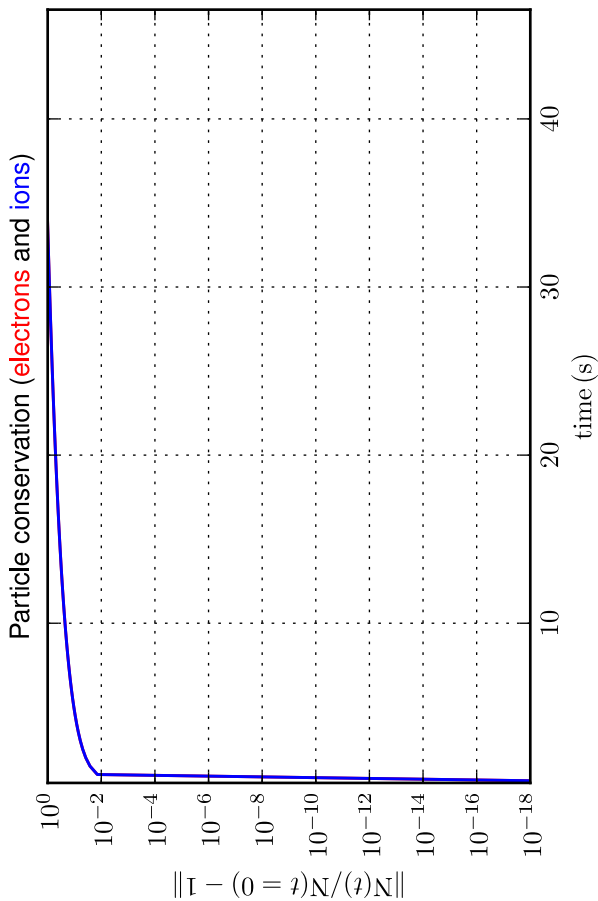
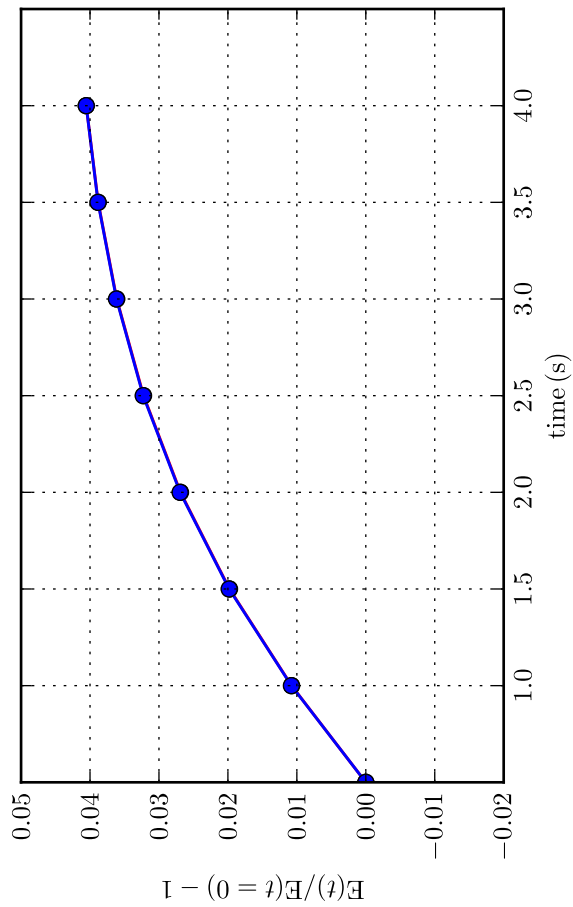
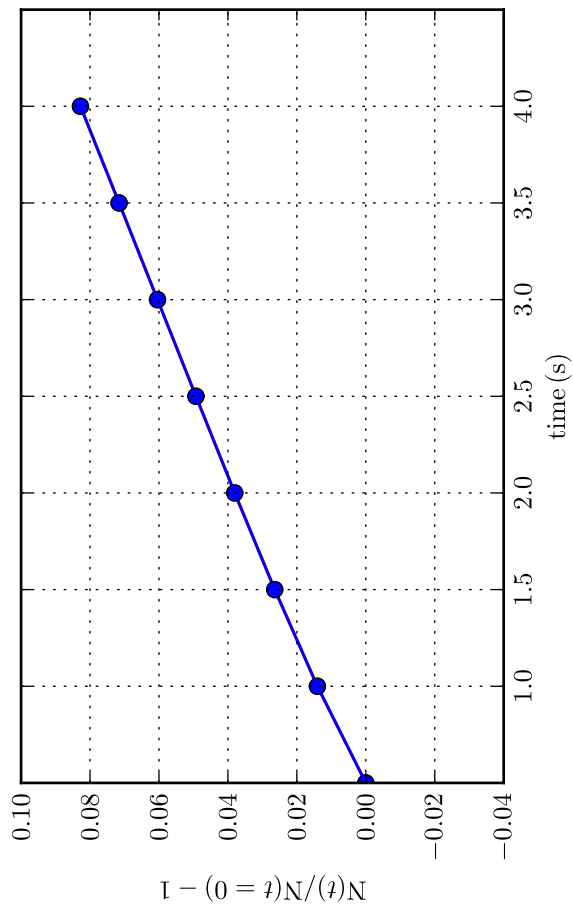
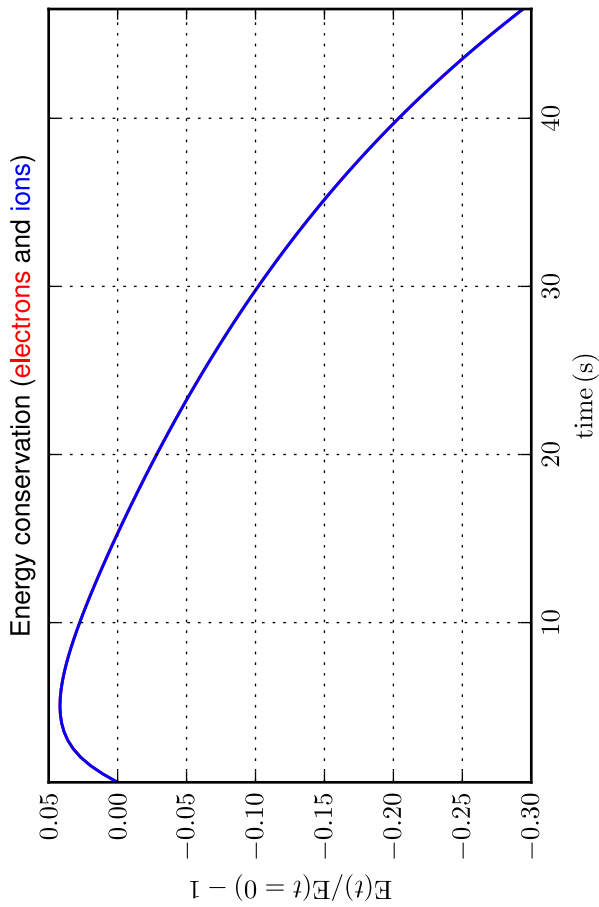
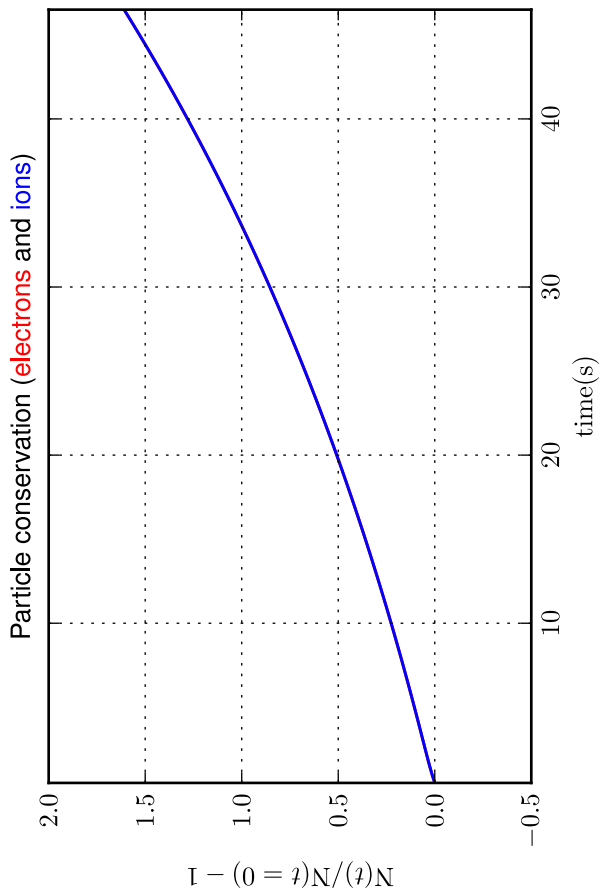


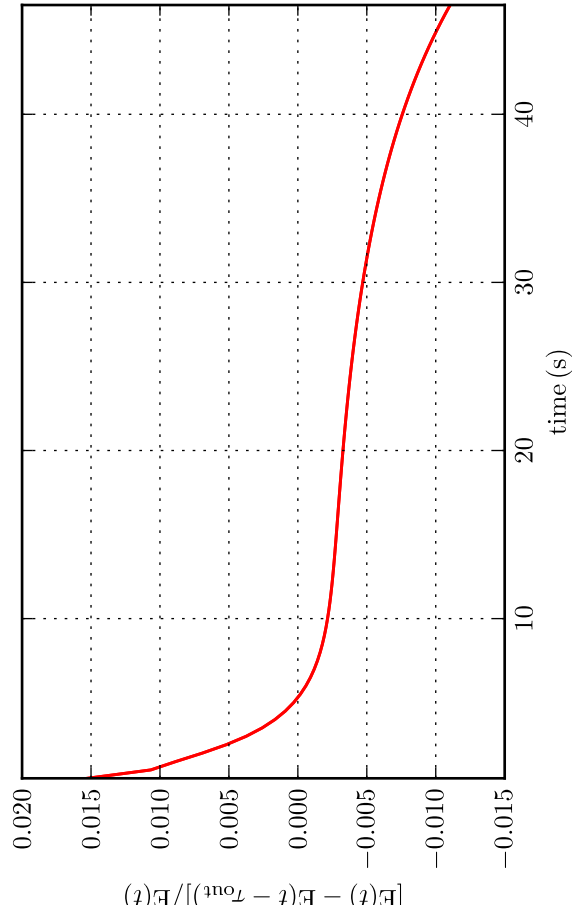
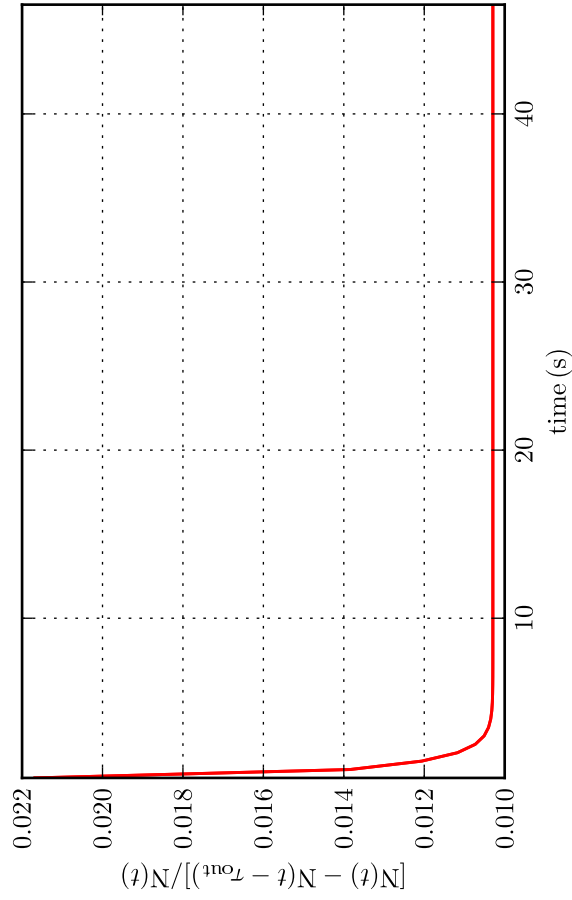
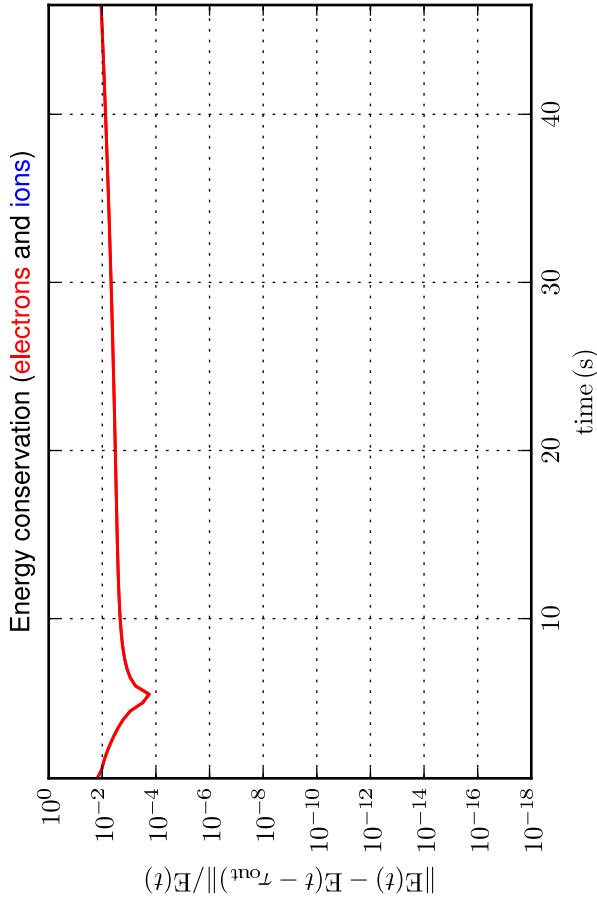
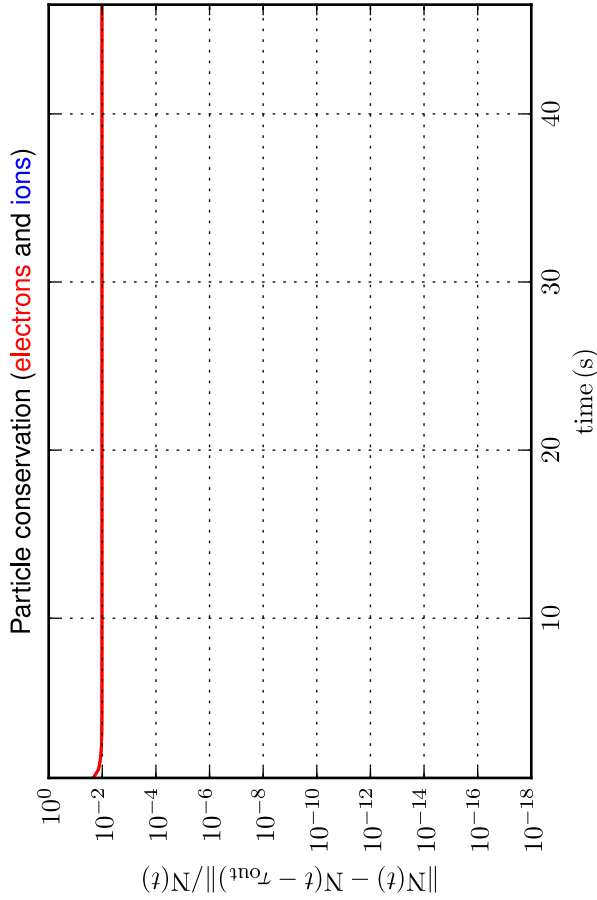
Part. & Energy conservation [Case: 1.1.5.a, Solver: 7, $D = 0.1 \text{ m}^2/\text{s}$, $v = 0.10 \text{ m/s}$, $\Delta t = 50.00$, $\tau = 1.0 \times 10^{-3} \text{ s}$, $N_p = 101$]
 Comparison with initial solution - log scale; total time and zoom over time



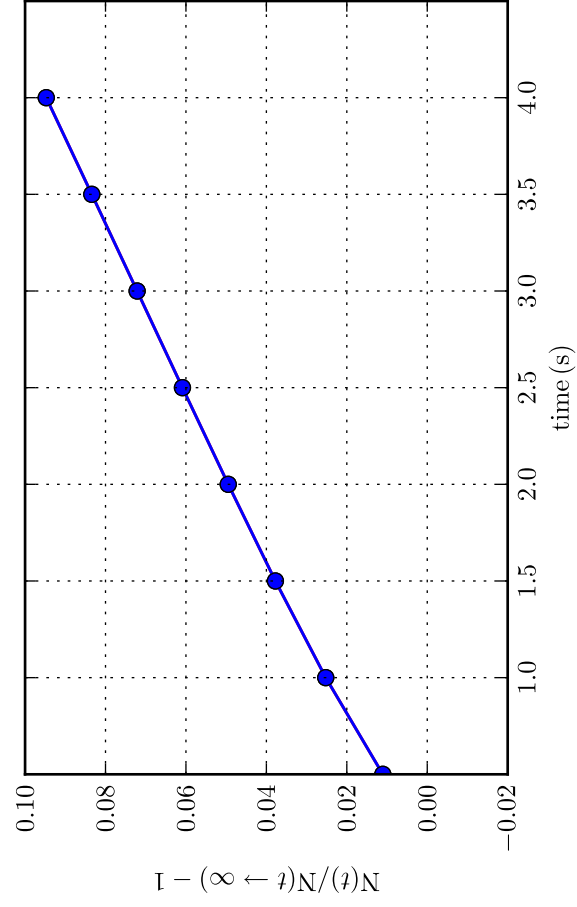
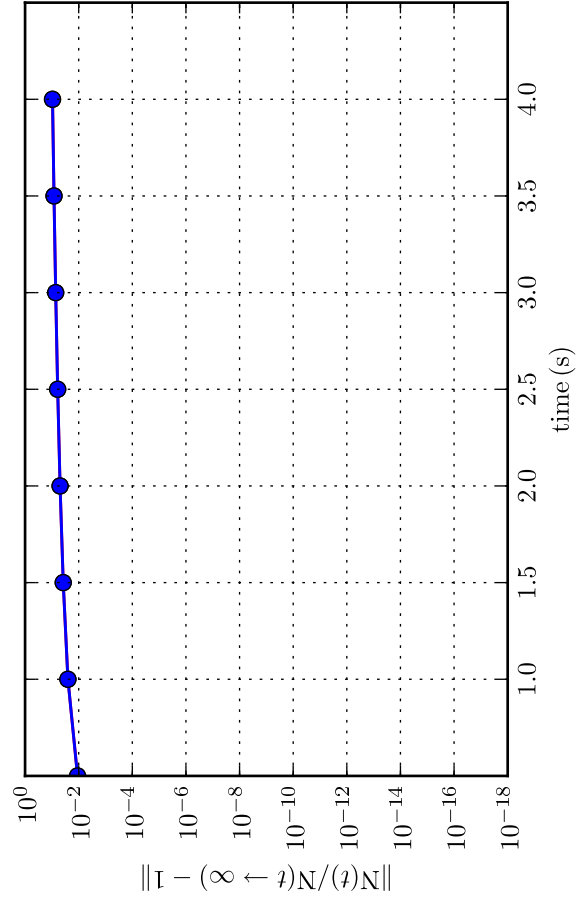
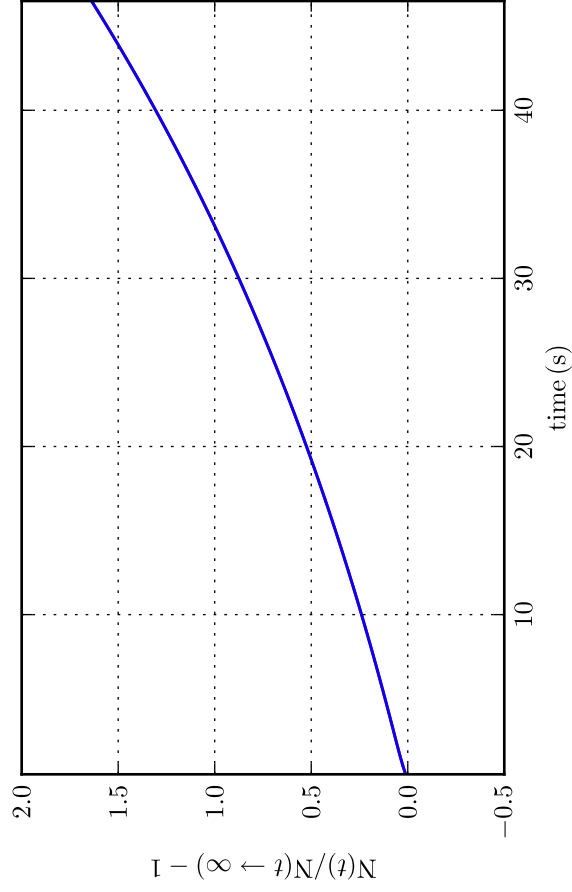
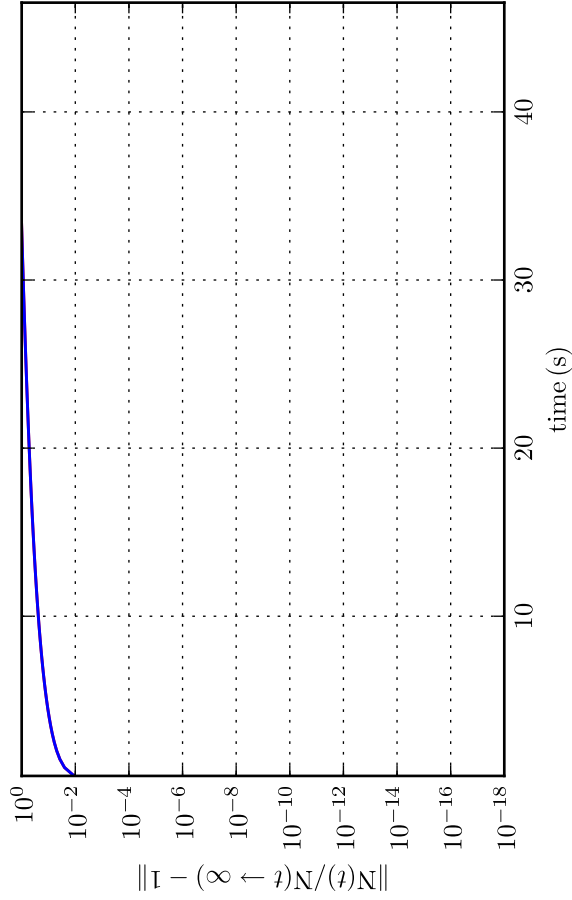
Part. & Energy conservation [Case: 1.1.5.a, Solver: 7, $D = 0.1 \text{ m}^2/\text{s}$, $v = 0.10 \text{ m/s}$, $\Delta t = 50.00$, $\tau = 1.0 \times 10^{-3} \text{ s}$, $N_p = 101$]
 Comparison with initial solution - linear scale; total time and zoom over time



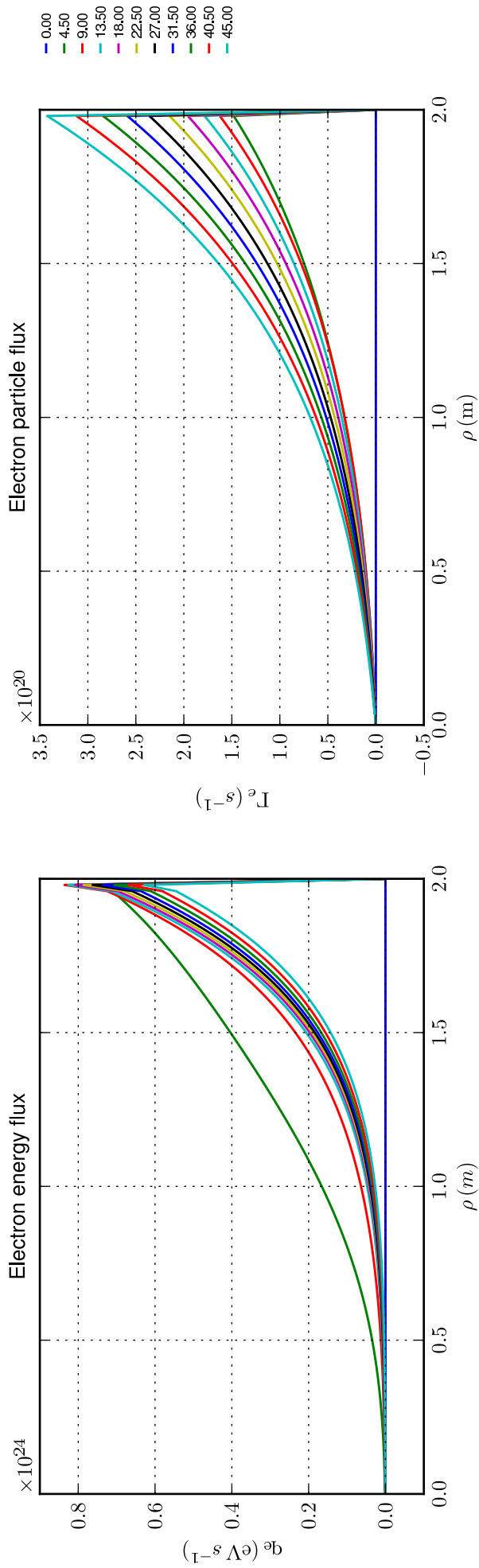
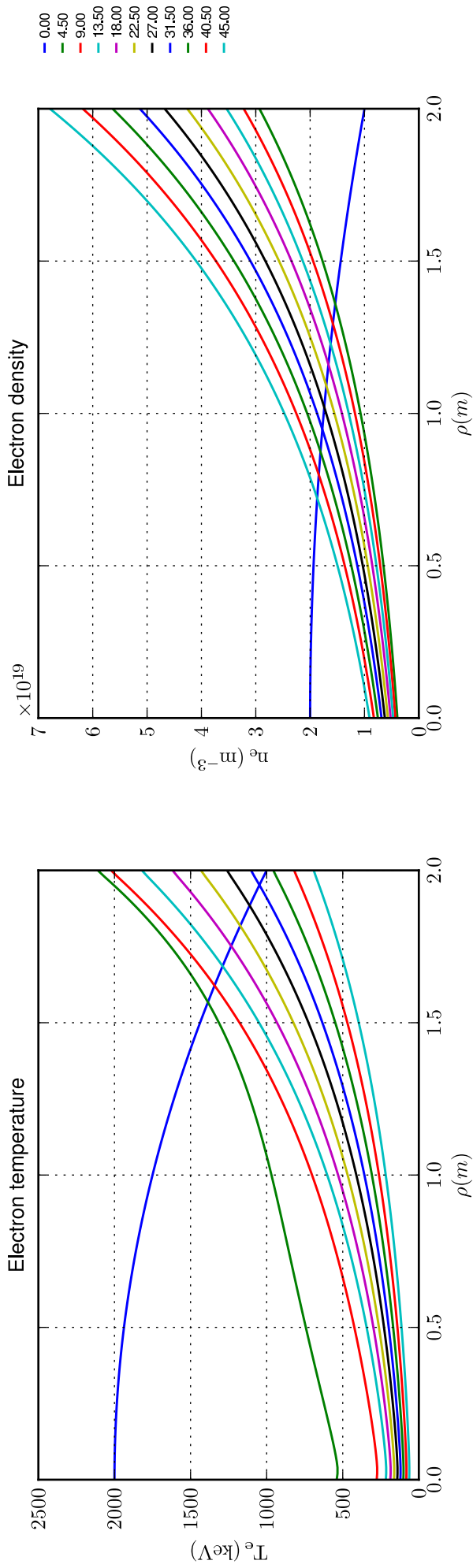
Part. & Energy conservation [Case: I.1.5.a, Solver: 7, $D = 0.1 \text{ m}^2/\text{s}$, $v = 0.10 \text{ m/s}$, $\Delta t = 50.00$, $\tau = 1.0 \times 10^{-3} \text{ s}$, $N_p = 101$]
 Comparison with previous time-sampled (τ_{out}) solution - log and linear scales



Particle conservation [Case: I.1.5.a, Solver: 7, $D = 0.1 \text{ m}^2/\text{s}$, $v = 0.10 \text{ m/s}$, $\Delta t = 50.00$, $\tau = 1.0 \times 10^{-3} \text{ s}$, $N_p = 101$]
 Comparison with asymptotic solution (electrons and ions); total time and zoom over time

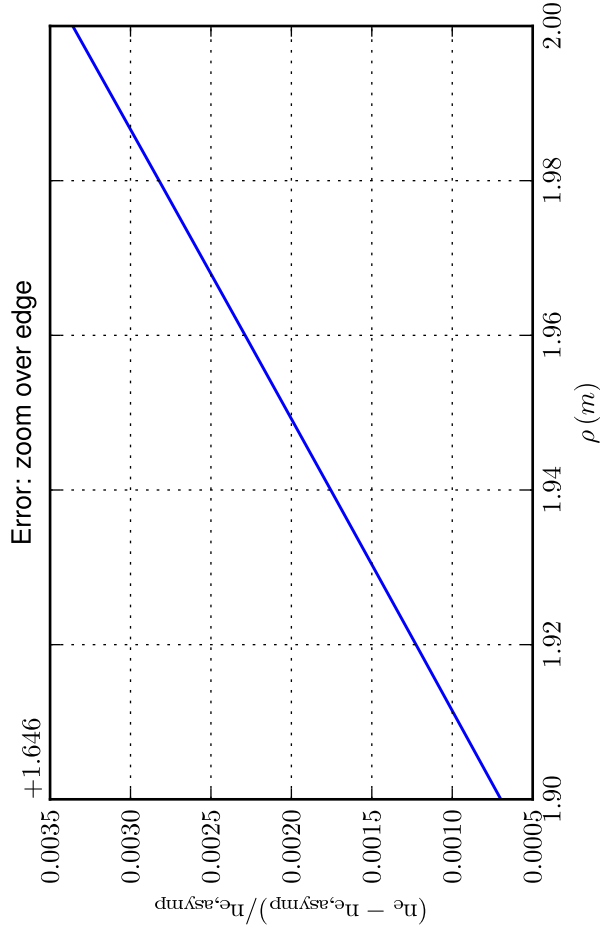
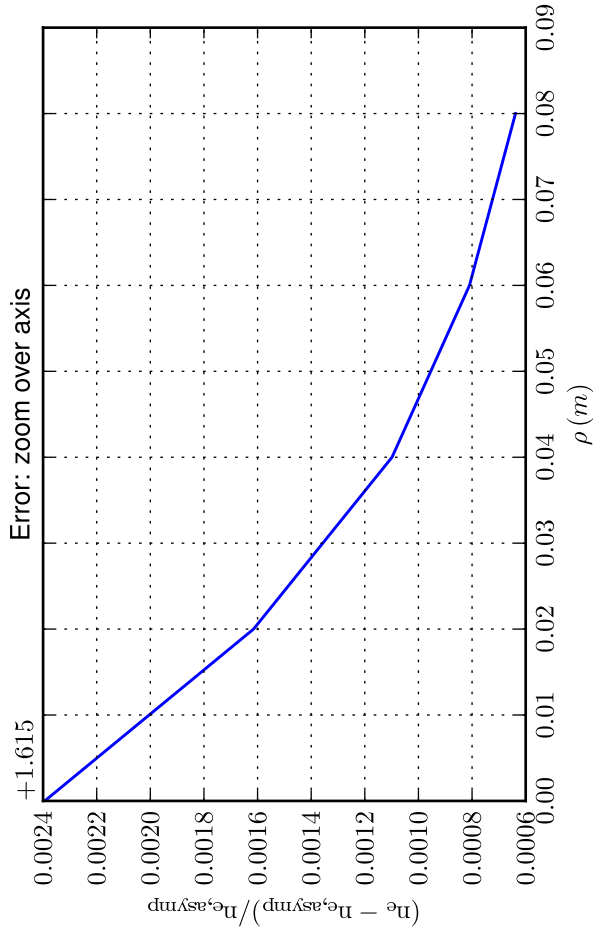
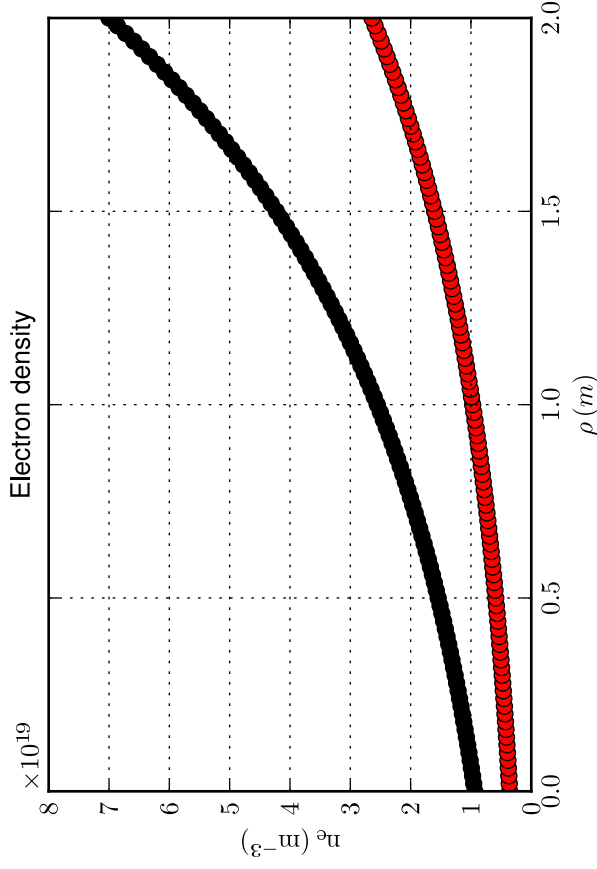
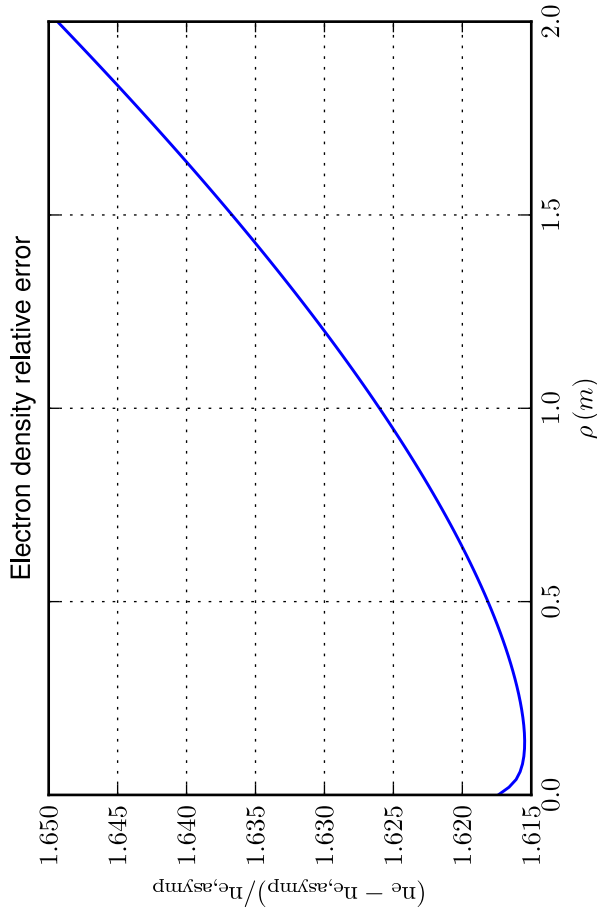


Profiles [Case: 1.1.5.a, Solver: 7, $D = 0.1 \text{ m}^2/\text{s}$, $v = 0.10 \text{ m/s}$, $\Delta t = 50.00$, $\tau = 1.0 \times 10^{-3} \text{ s}$, $N_\rho = 101$]
 Time sampling: total simulation time/10



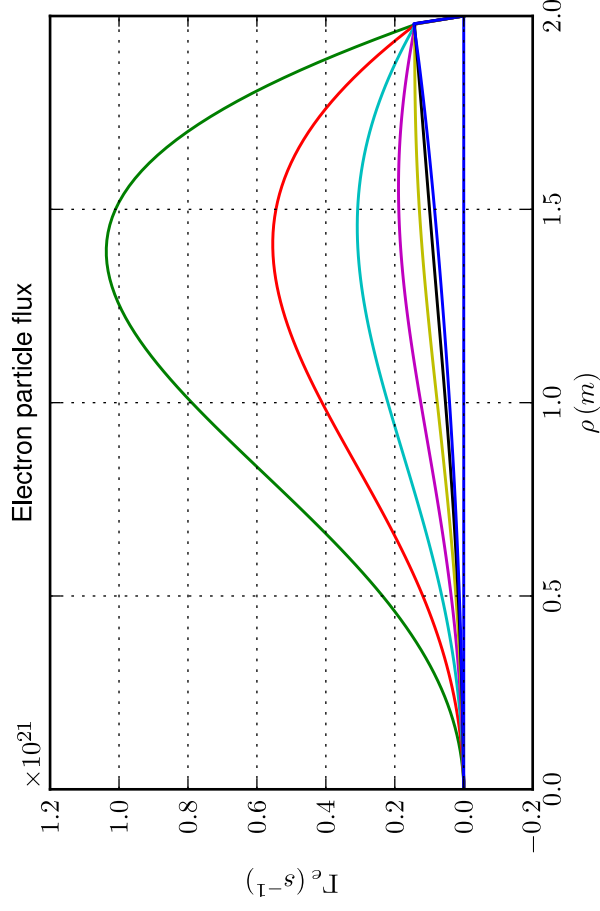
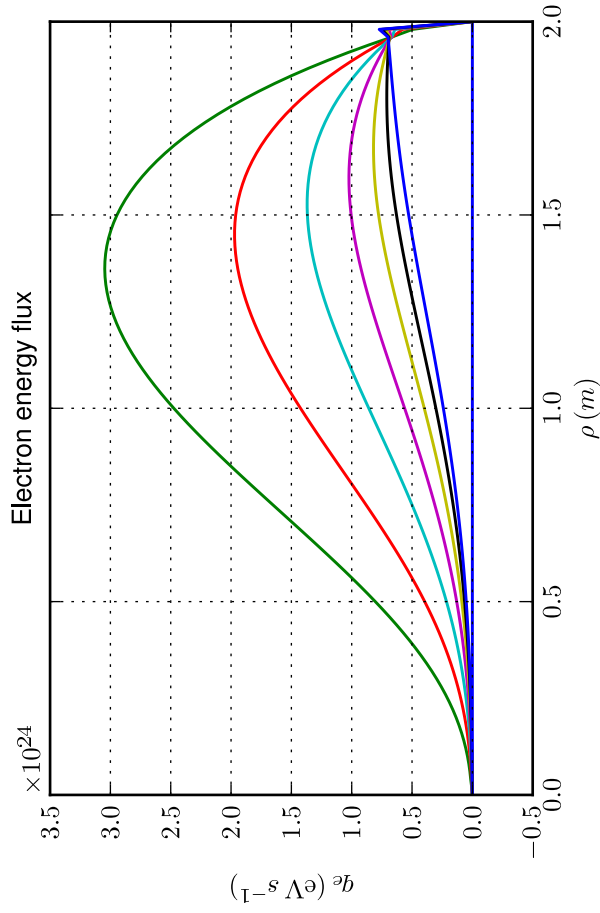
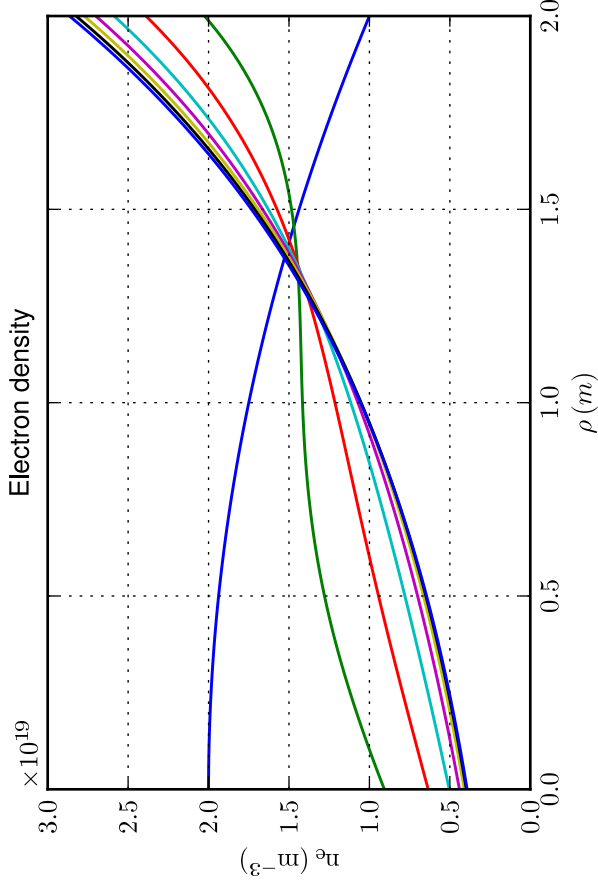
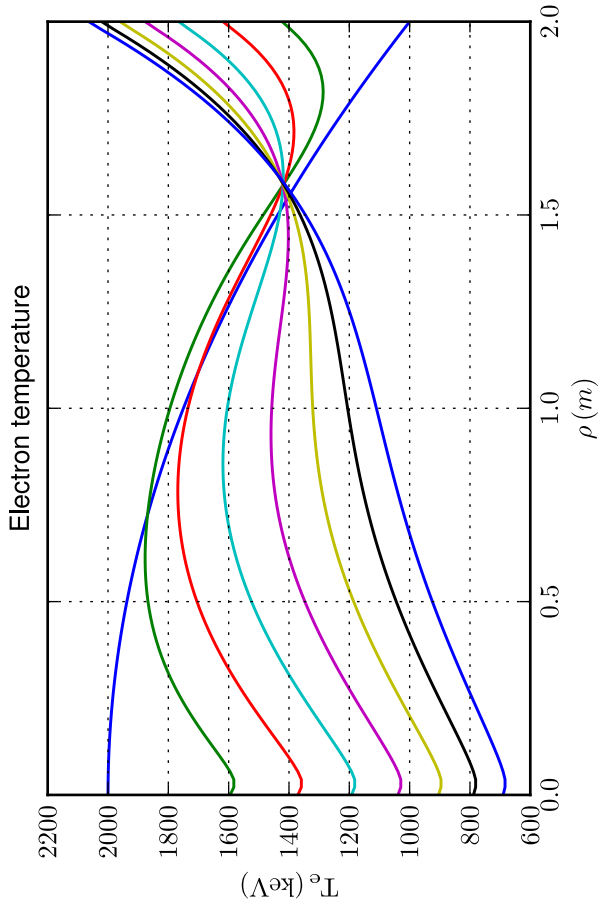
Profiles [Case: 1.1.5.a, Solver: 7, $D = 0.1 \text{ m}^2/\text{s}$, $v = 0.10 \text{ m/s}$, $\Delta t = 50.00$, $\tau = 1.0 \times 10^{-3} \text{ s}$, $N_\rho = 101$]

Comparison with asymptotic solution



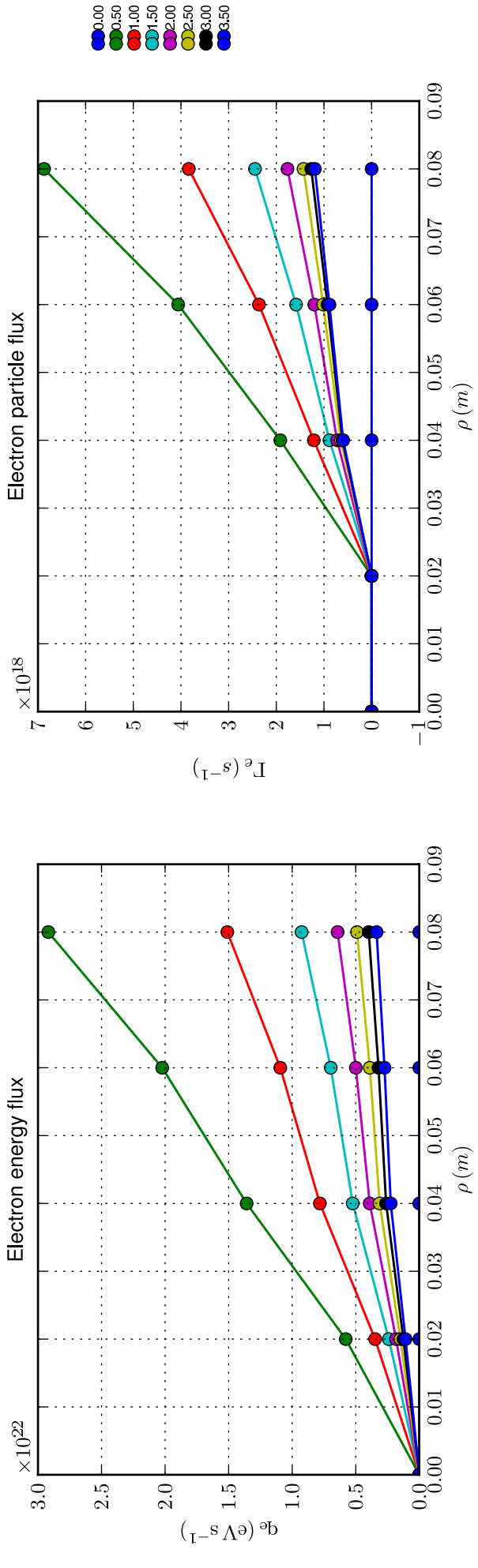
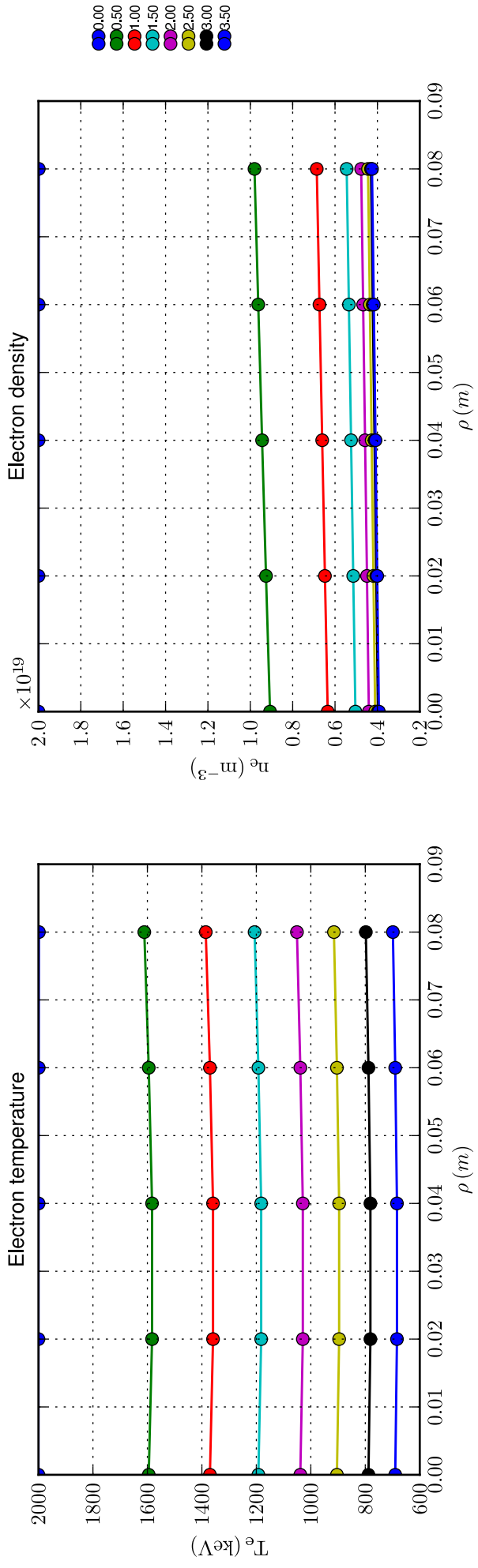
Profiles [Case: 1.1.5.a, Solver: 7, $D = 0.1 \text{ m}^2/\text{s}$, $v = 0.10 \text{ m/s}$, $\Delta t = 50.00$, $\tau = 1.0 \times 10^{-3} \text{ s}$, $N_\rho = 101$]

Time sampling: first 10 time slices or zoom over time $0.1 \times (a^2/D)/|1 - (Va/D)| = 4.00 \text{ s}$

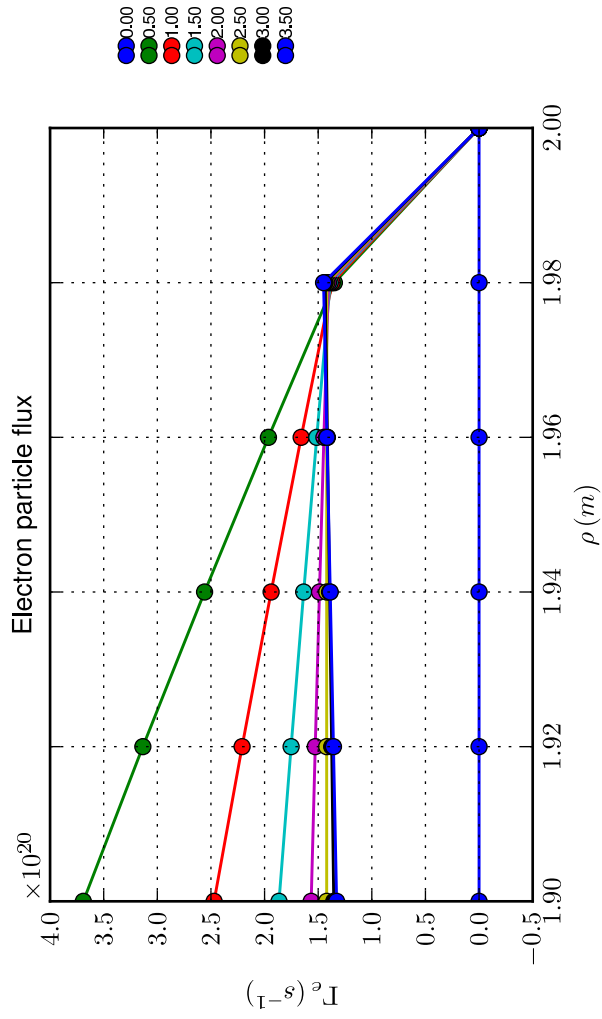
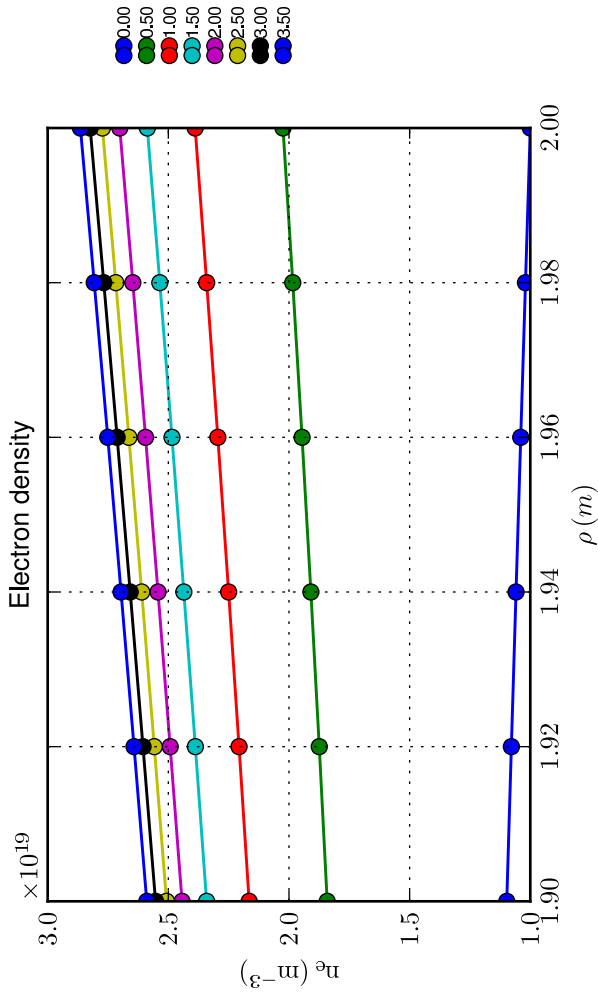
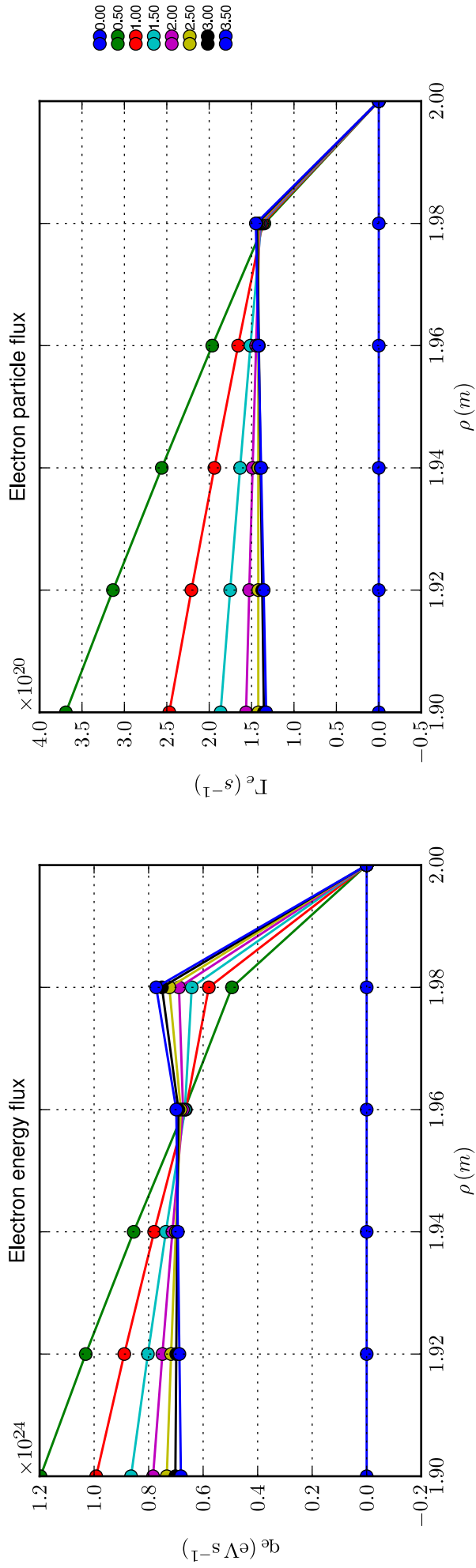
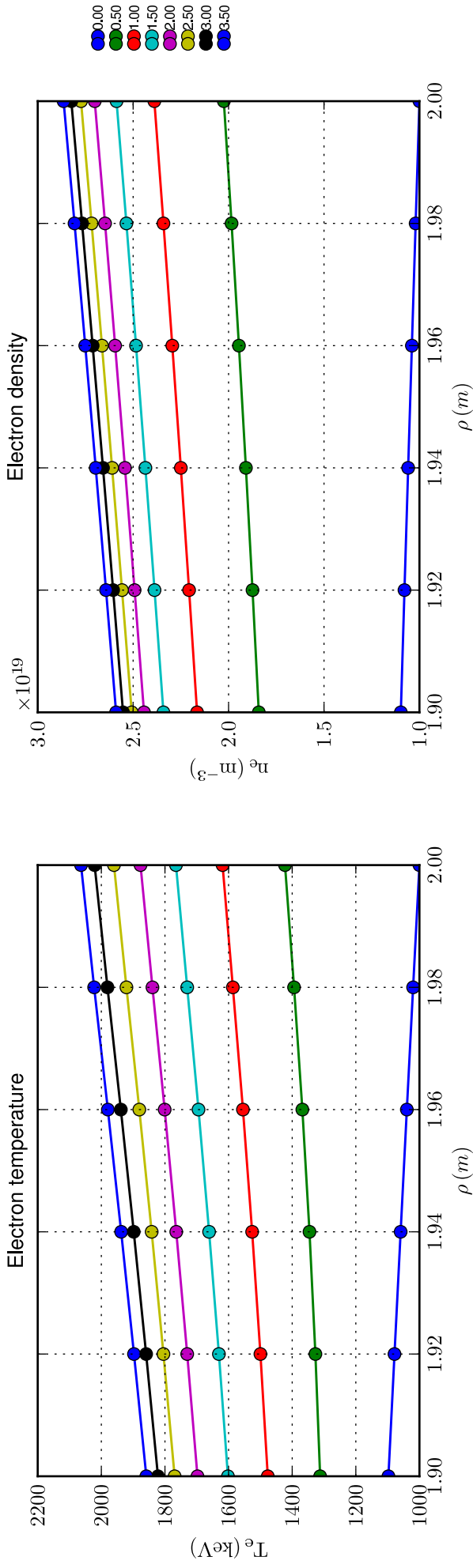


0.00
0.50
1.00
1.50
2.00
2.50
3.00
3.50

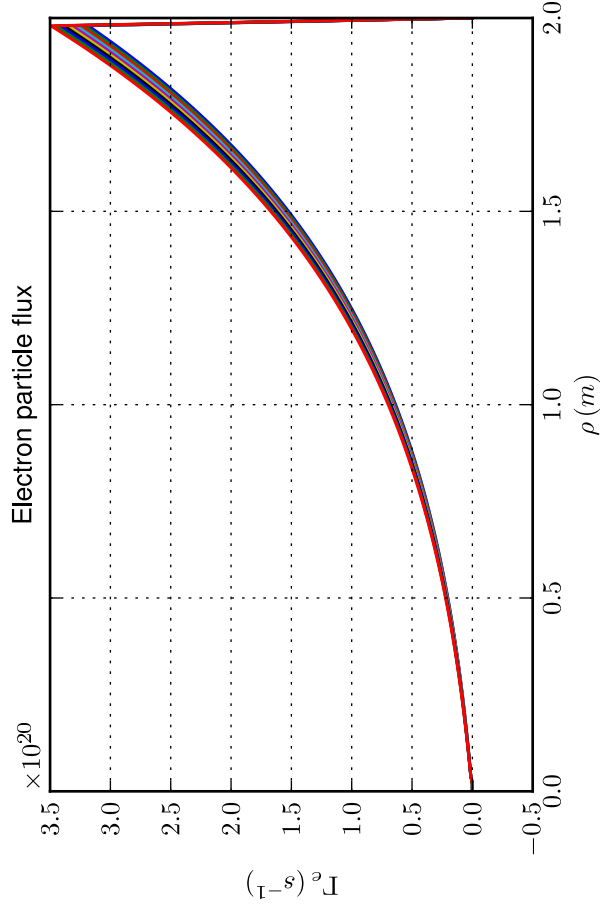
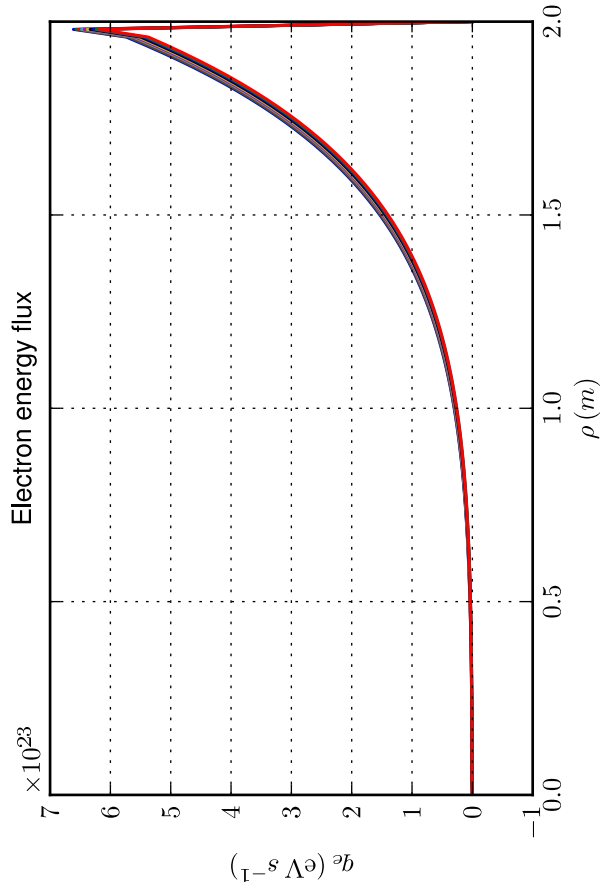
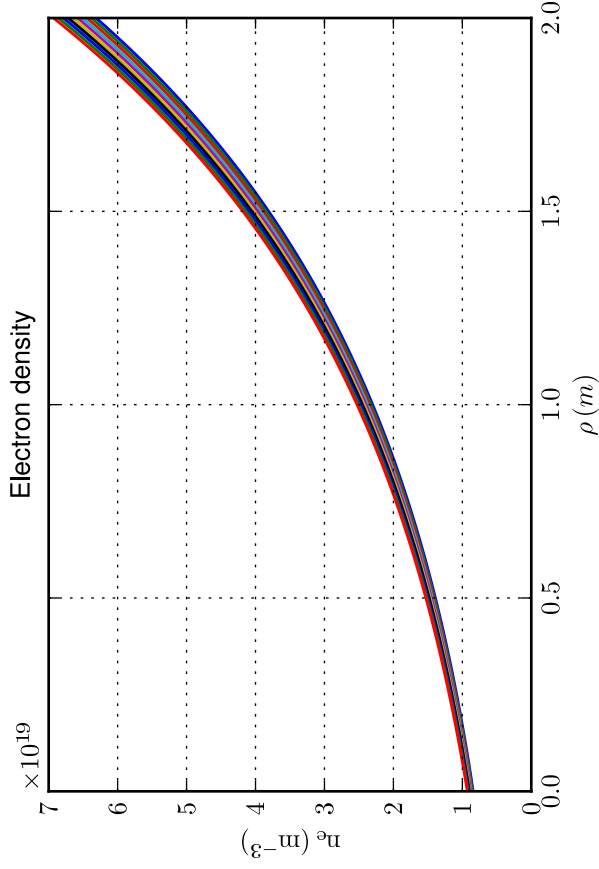
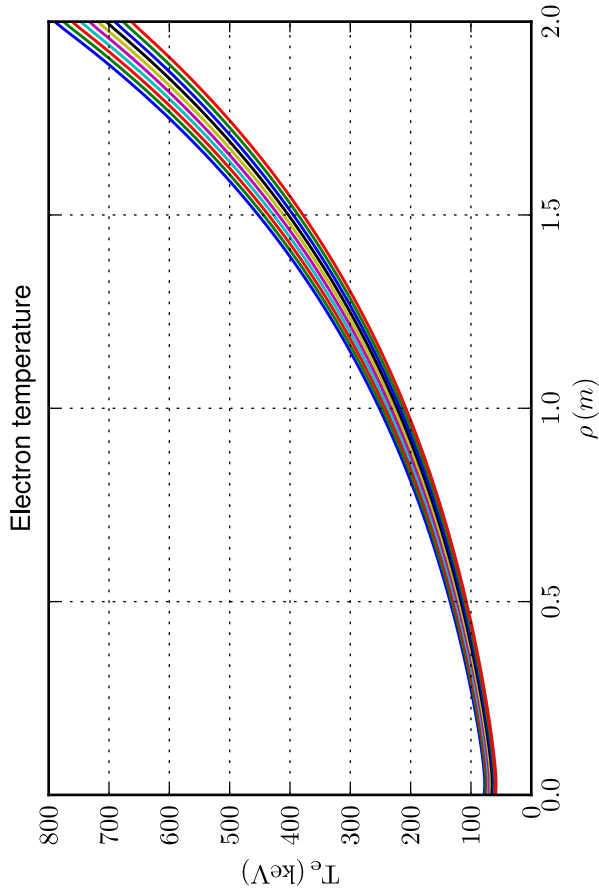
Profiles [Case: 1.1.5.a, Solver: 7, $D = 0.1 \text{ m}^2/\text{s}$, $v = 0.10 \text{ m/s}$, $\Delta t = 50.00$, $\tau = 1.0 \times 10^{-3} \text{ s}$, $N_\rho = 101$]
 Spatial zoom over magnetic axis; time sampling: first 10 time slices or zoom over time $0.1 \times (a^2/D)/|1 - (Va/D)| = 4.00 \text{ s}$



Profiles [Case: 1.1.5.a, Solver: 7, $D = 0.1 \text{ m}^2/\text{s}$, $v = 0.10 \text{ m/s}$, $\Delta t = 50.00$, $\tau = 1.0 \times 10^{-3} \text{ s}$, $N_\rho = 101$]
 Spatial zoom over edge; time sampling: first 10 time slices or zoom over time $0.1 \times (a^2/D)/|1 - (Va/D)| = 4.00 \text{ s}$

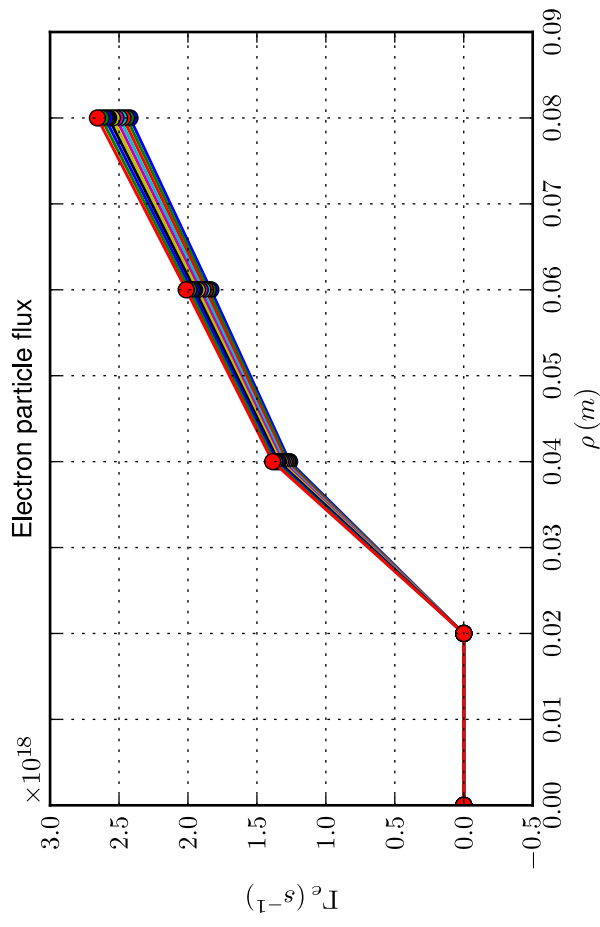
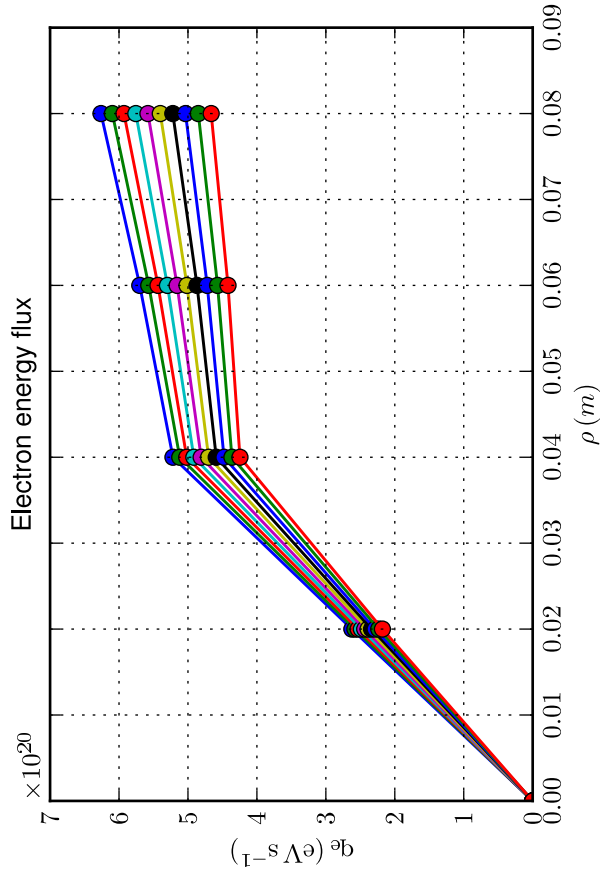
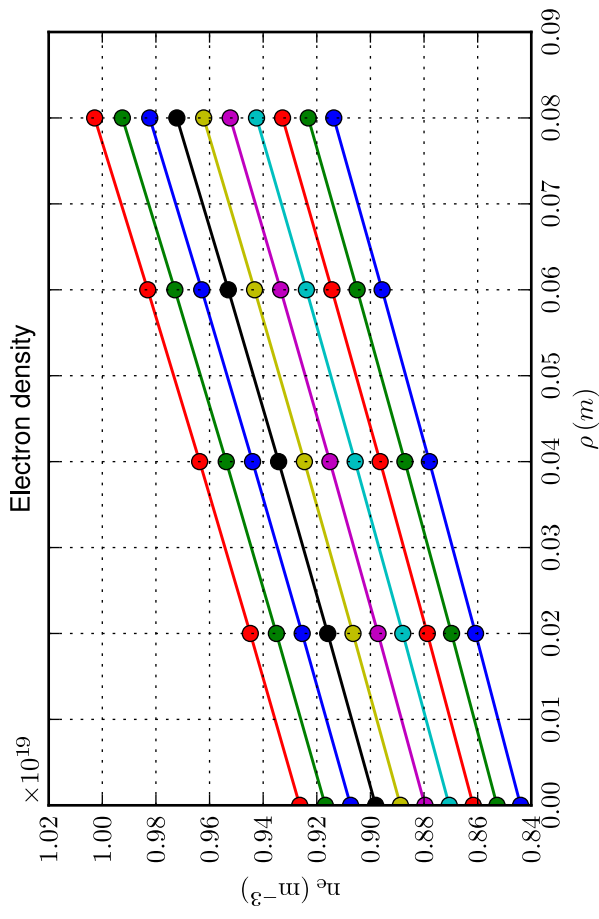
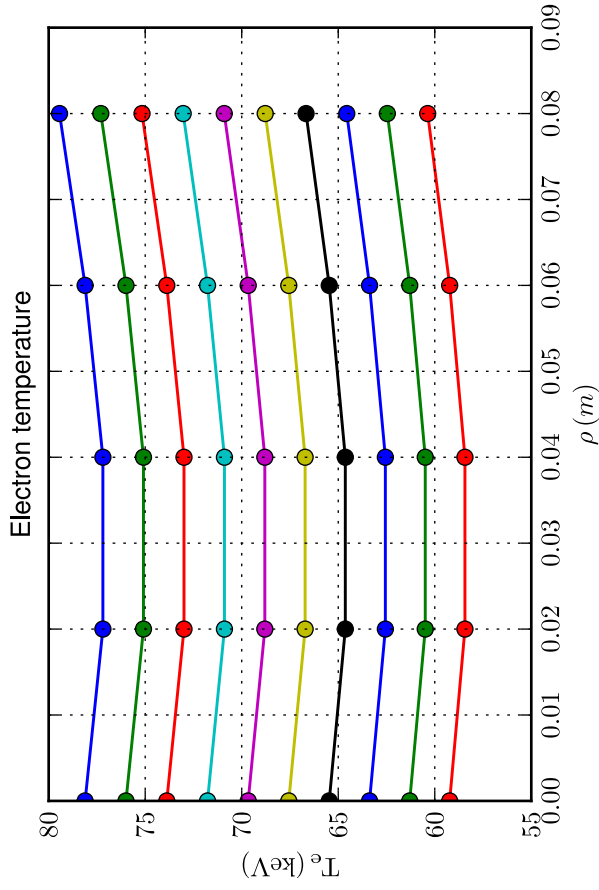


Profiles [Case: 1.1.5.a, Solver: 7, $D = 0.1 \text{ m}^2/\text{s}$, $v = 0.10 \text{ m/s}$, $\Delta t = 50.00$, $\tau = 1.0 \times 10^{-3} \text{ s}$, $N_\rho = 101$]
 Time sampling: last 10 time slices



41.50
 42.00
 42.50
 43.00
 43.50
 44.00
 44.50
 45.00
 45.50
 46.00

Profiles [Case: 1.1.5.a, Solver: 7, $D = 0.1 \text{ m}^2/\text{s}$, $v = 0.10 \text{ m/s}$, $\Delta t = 50.00$, $\tau = 1.0 \times 10^{-3} \text{ s}$, $N_\rho = 101$]
 Spatial zoom over magnetic axis; time sampling: last 10 time slices



Legend for time slices (top-left plot):

- 41.50
- 42.00
- 42.50
- 43.00
- 43.50
- 44.00
- 44.50
- 45.00
- 45.50
- 46.00

Legend for time slices (top-right plot):

- 41.50
- 42.00
- 42.50
- 43.00
- 43.50
- 44.00
- 44.50
- 45.00
- 45.50
- 46.00

Profiles [Case: 1.1.5.a, Solver: 7, $D = 0.1 \text{ m}^2/\text{s}$, $v = 0.10 \text{ m/s}$, $\Delta t = 50.00$, $\tau = 1.0 \times 10^{-3} \text{ s}$, $N_\rho = 101$]
 Spatial zoom over edge; time sampling: last 10 time slices

