

1 Solution of a Simple Boundary Value Problem

There's not much to say here apart from 'here's my plot'. And that I now know how to make pretty stars in LaTeX.

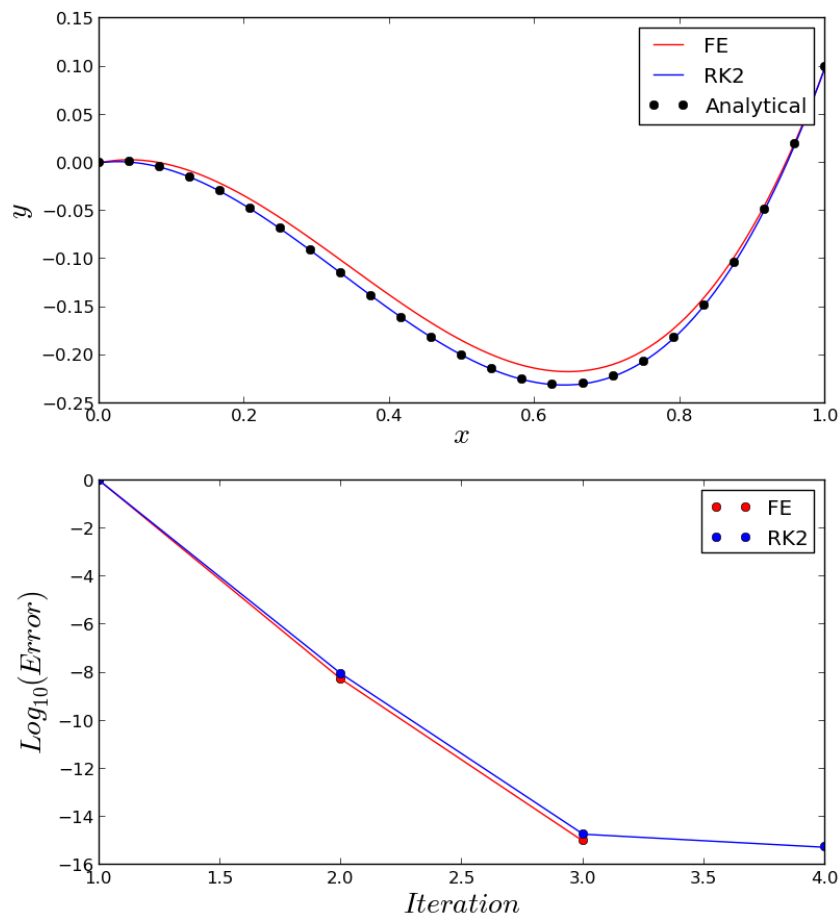


Figure 1: Figure 1a (top) shows the resulting function after solving the BVP using Forward Euler (FE) and Runge-Kutta 2nd Order (RK2) integration. Figure 1b (bottom) shows the convergence for each of these methods, with error plotted as a function of the iteration number.