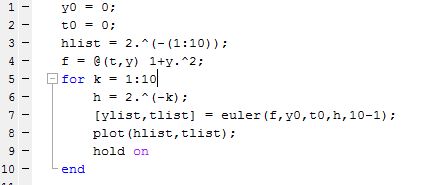
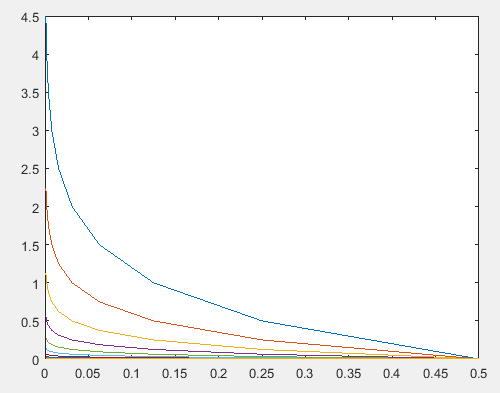
**Problem 1:**

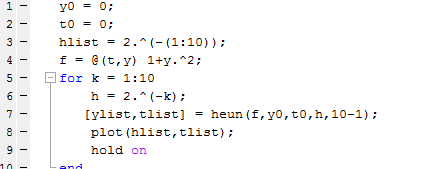
The rate of convergence is .

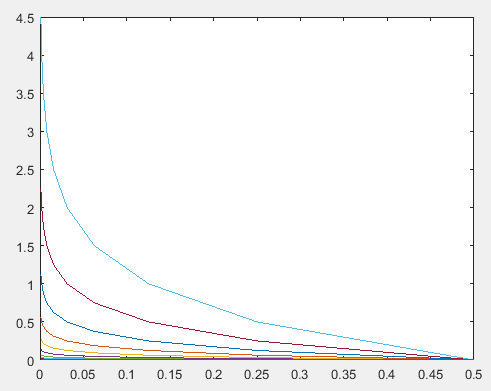




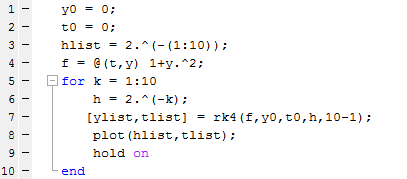
**Problem 2:**

Heun: rate of convergence is .

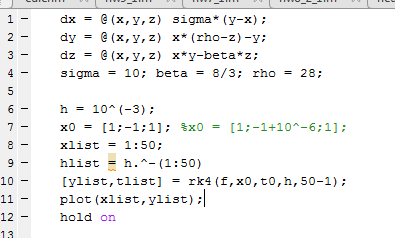


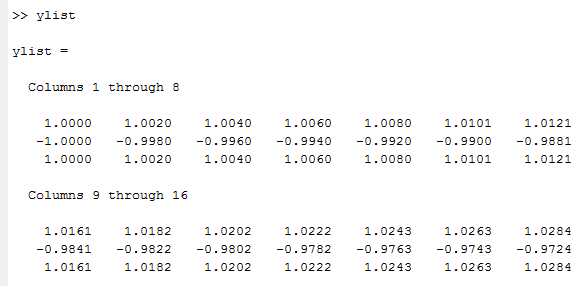


RK4: rate of convergence is .



**Problem 3:**





**Problem 4:**

