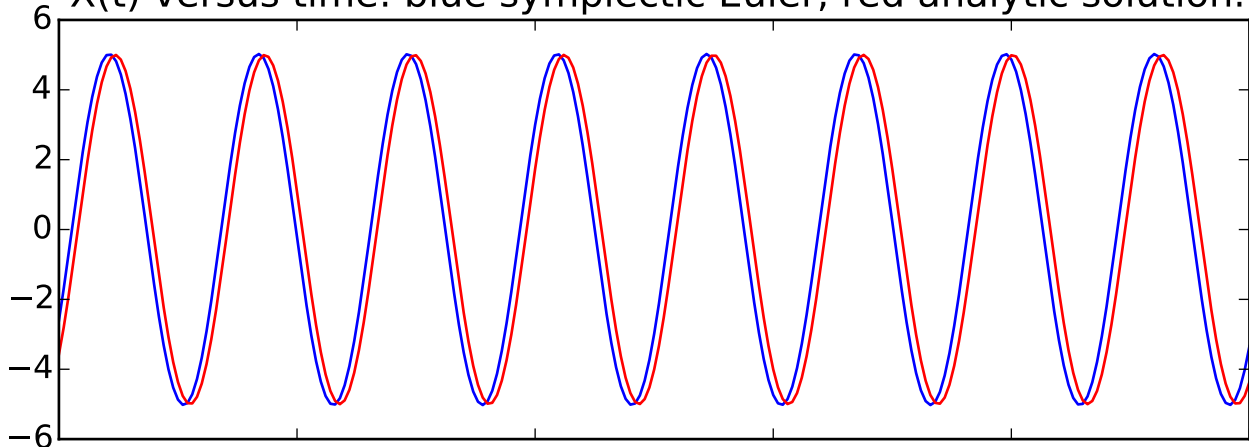


$X(t)$ versus time: blue symplectic Euler, red analytic solution.



$V(t)$ versus time: blue symplectic Euler, red analytic solution.

