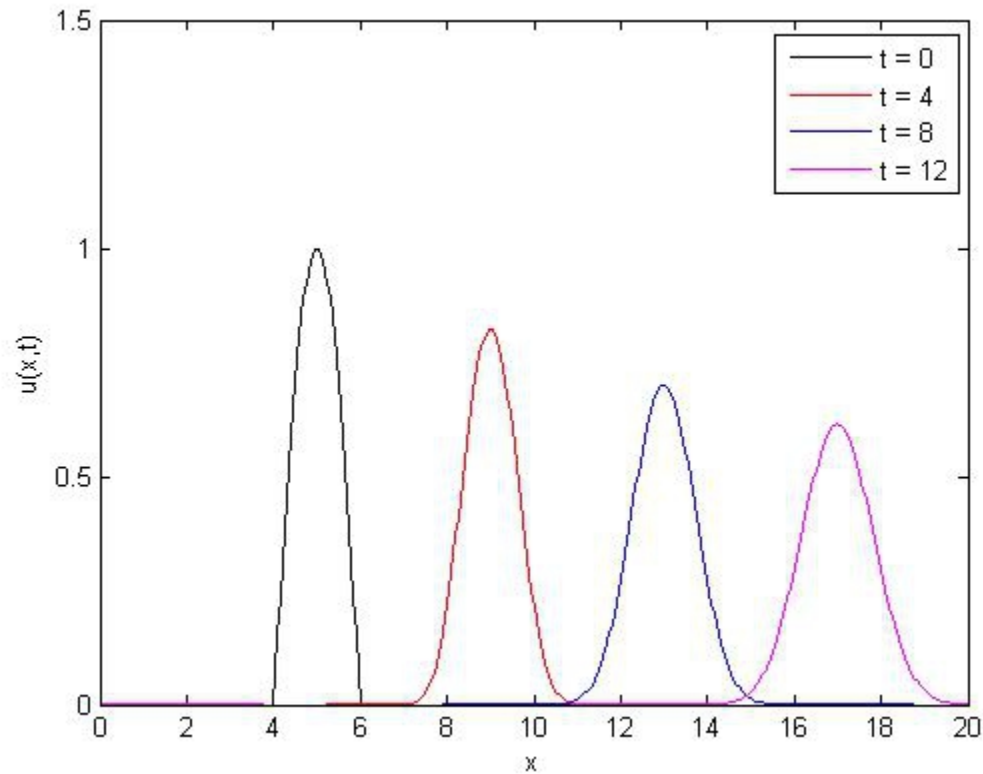


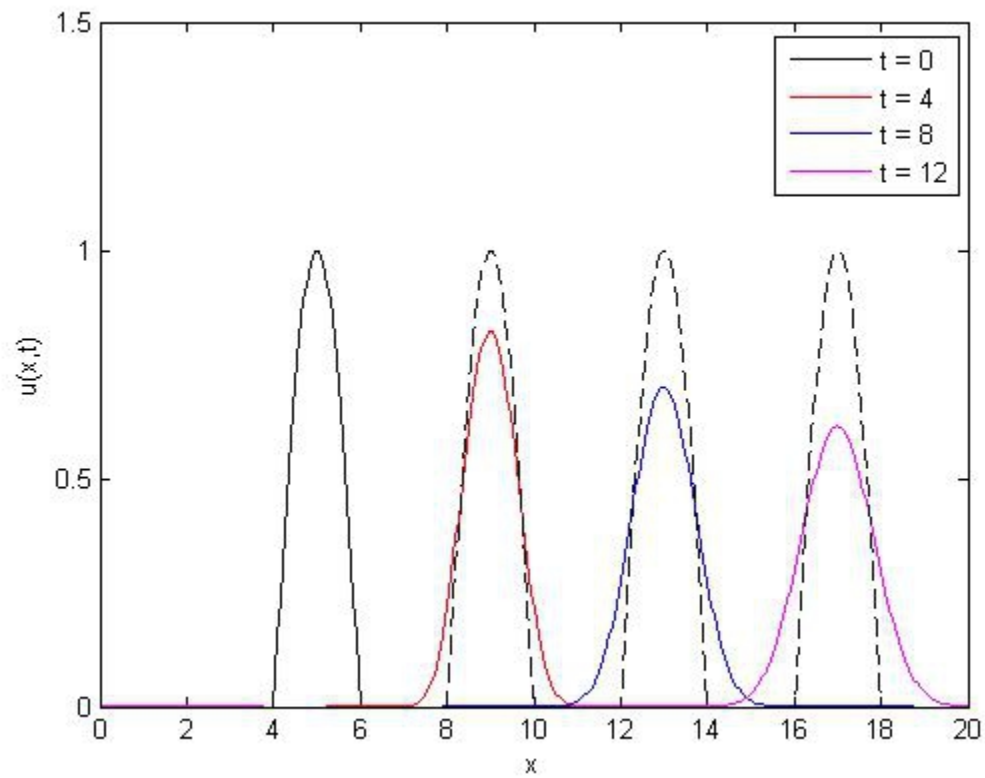
Linear advection equation Forward upstream scheme

$C = 1$, $\Delta x = 0.05$, $\Delta t = 0.01$

Numerical solution at $t = 4, 8, 12$



Dashed lines are analytic solution



Linear advection equation Forward upstream scheme

$C = 1$, $\Delta x = 0.005$, $\Delta t = 0.001$

Numerical solution at $t = 4, 8, 12$

