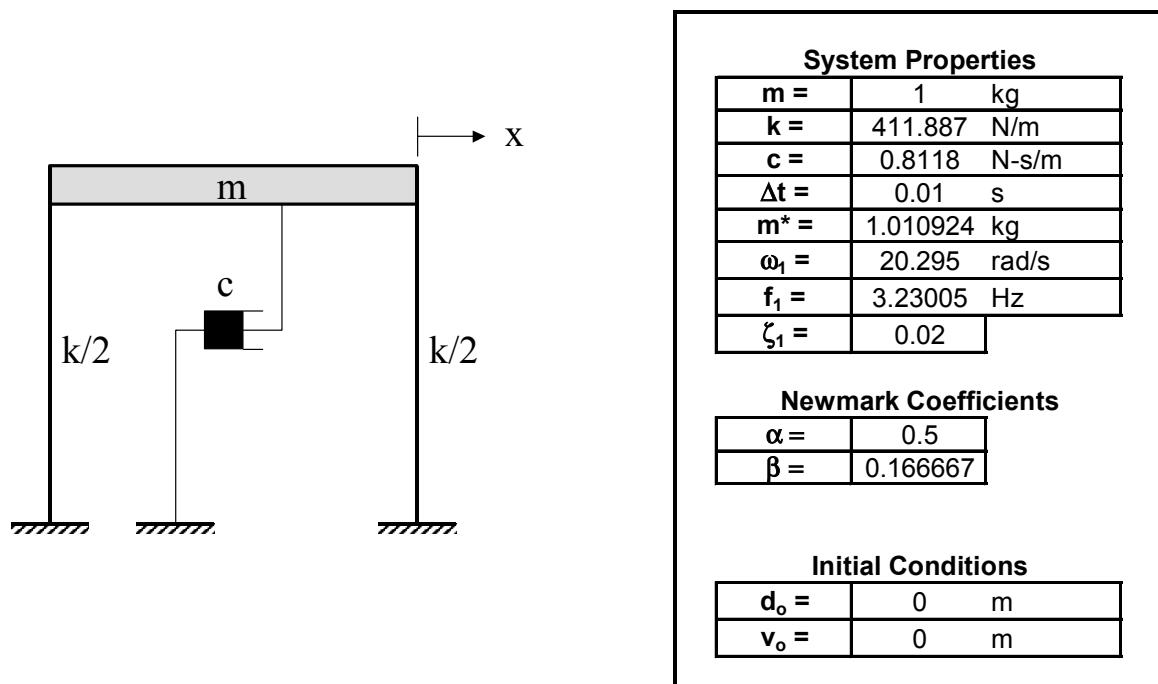
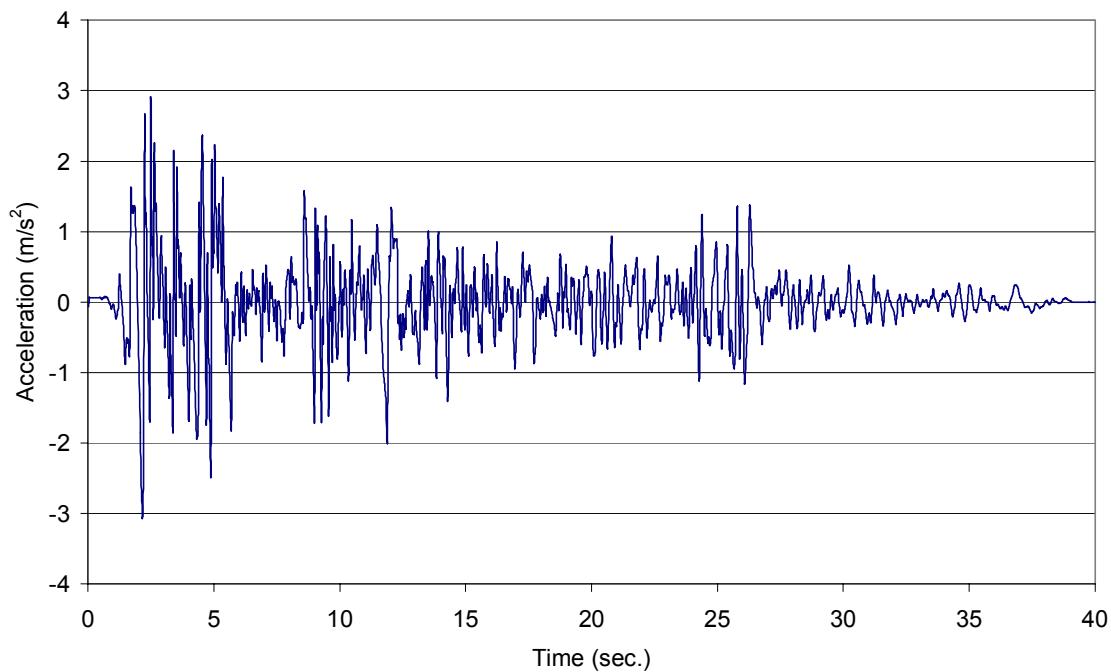


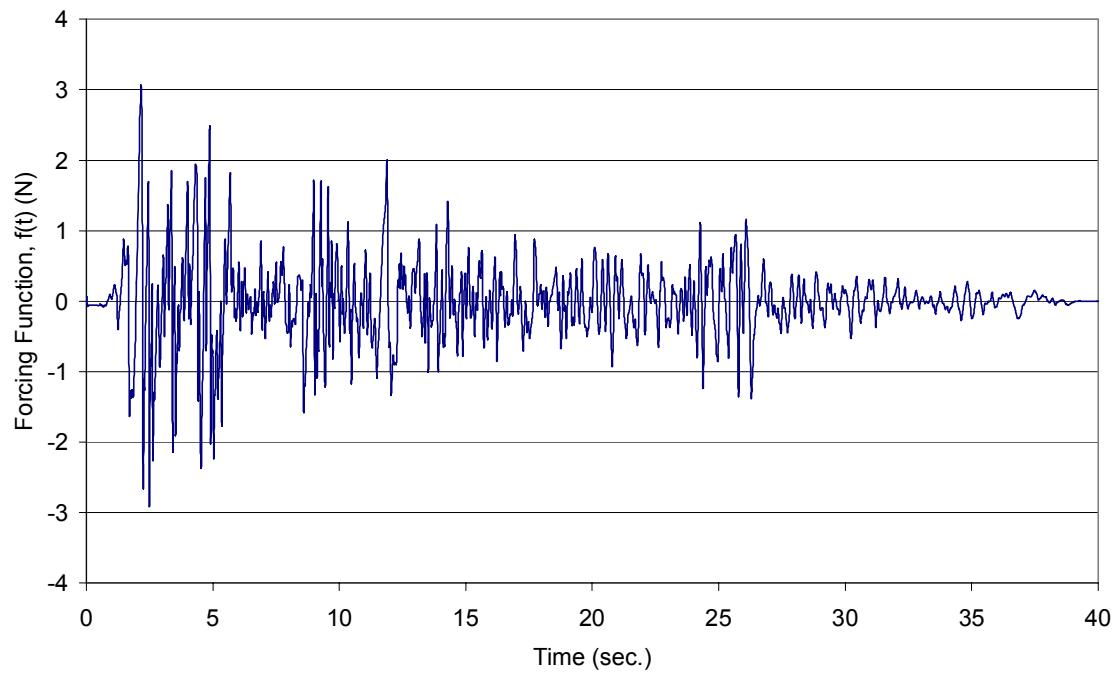
The response of the single-degree-of-freedom (SDOF) system (shown below) subject to the El Centro earthquake was solved using Newmark's Method for the Linear-Acceleration case.



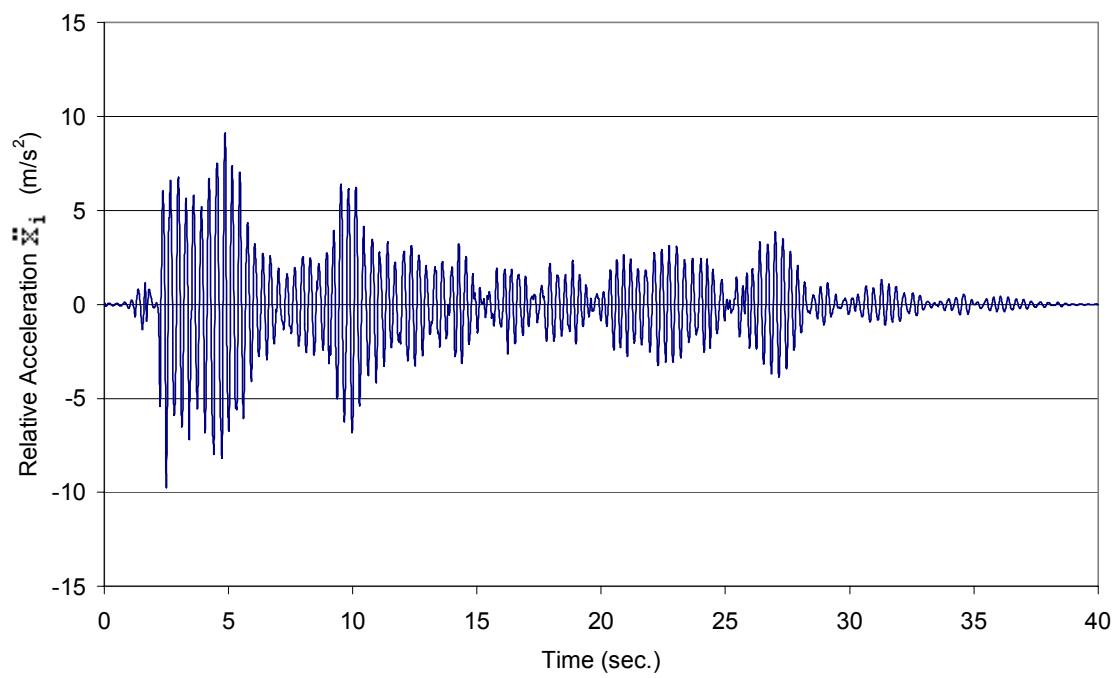
El Centro Acceleration Time History



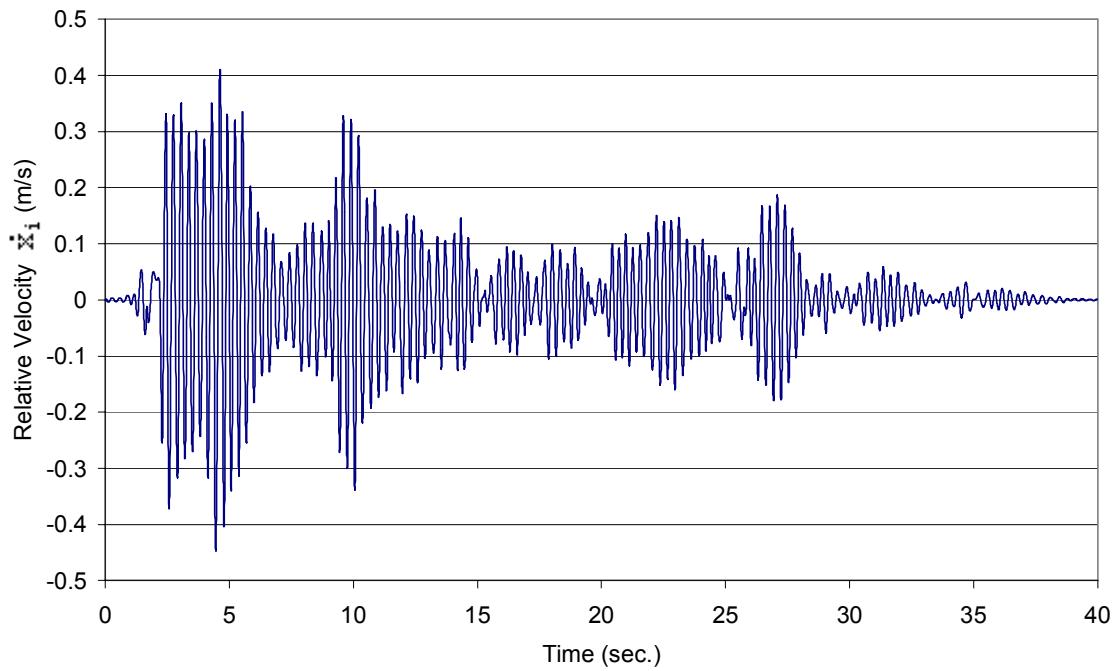
Forcing Function $f(t)$ versus Time



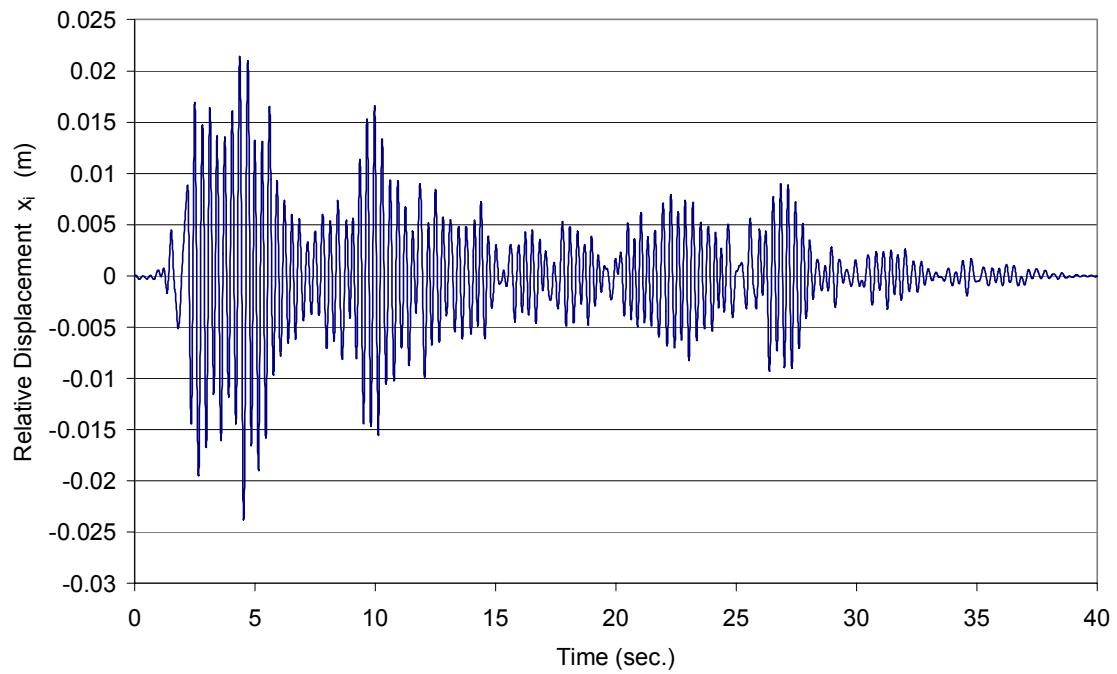
Relative Acceleration versus Time



Relative Velocity versus Time



Relative Displacement versus Time



Absolute Acceleration versus Time

