

Warning: Failure at $t=2.913903e-01$. Unable to meet integration tolerances without reducing the step size below the smallest value allowed ($8.881784e-16$) at time t .

Warning: Failure at $t=2.530848e-01$. Unable to meet integration tolerances without reducing the step size below the smallest value allowed ($8.881784e-16$) at time t .

Warning: Failure at $t=2.770952e-01$. Unable to meet integration tolerances without reducing the step size below the smallest value allowed ($8.881784e-16$) at time t .

Warning: Failure at $t=2.585138e-01$. Unable to meet integration tolerances without reducing the step size below the smallest value allowed ($8.881784e-16$) at time t .

Warning: Failure at $t=2.776432e-01$. Unable to meet integration tolerances without reducing the step size below the smallest value allowed ($8.881784e-16$) at time t .

Warning: Failure at $t=3.086544e-01$. Unable to meet integration tolerances without reducing the step size below the smallest value allowed ($8.881784e-16$) at time t .

Warning: Failure at $t=2.927295e-01$. Unable to meet integration tolerances without reducing the step size below the smallest value allowed ($8.881784e-16$) at time t .

Warning: Failure at $t=3.432112e-01$. Unable to meet integration tolerances without reducing the step size below the smallest value allowed ($8.881784e-16$) at time t .

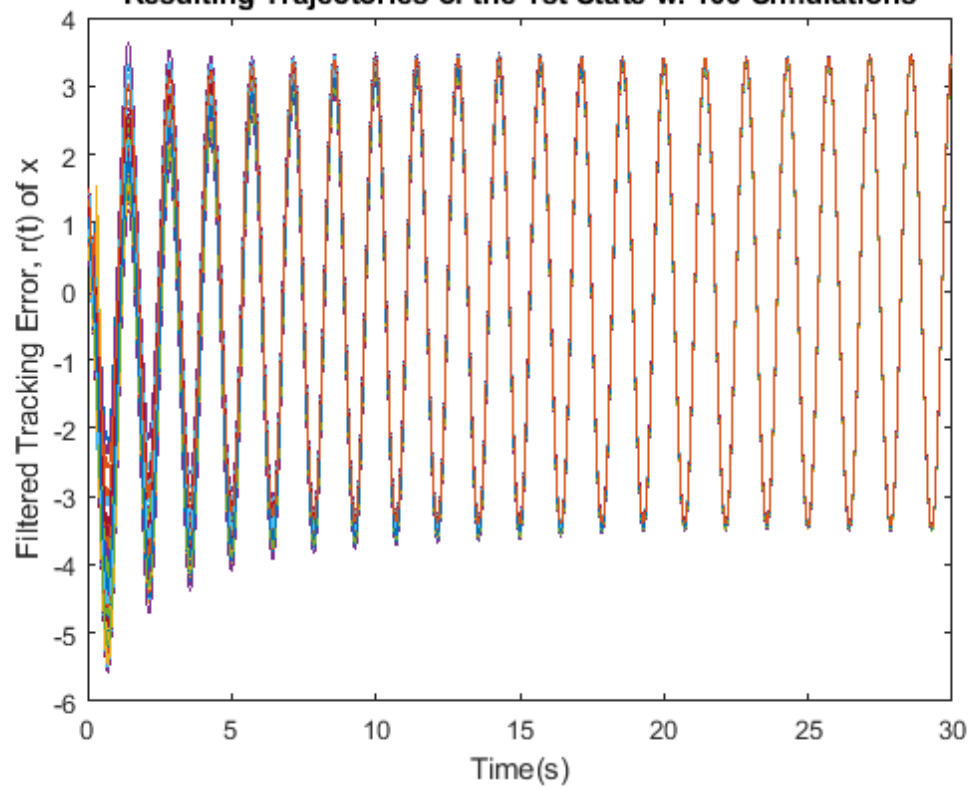
Warning: Failure at $t=2.558348e-01$. Unable to meet integration tolerances without reducing the step size below the smallest value allowed ($8.881784e-16$) at time t .

Warning: Failure at $t=3.640220e-01$. Unable to meet integration tolerances without reducing the step size below the smallest value allowed ($8.881784e-16$) at time t .

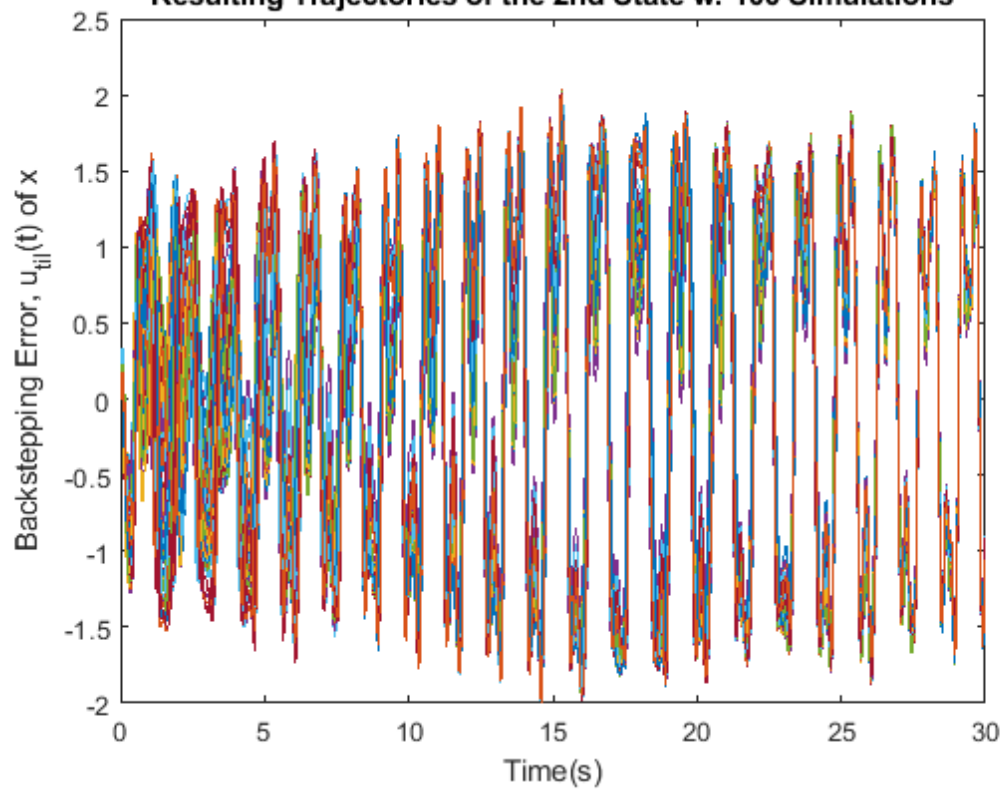
Warning: Failure at $t=4.668218e-01$. Unable to meet integration tolerances without reducing the step size below the smallest value allowed ($8.881784e-16$) at time t .

Warning: Failure at $t=2.795894e-01$. Unable to meet integration tolerances without reducing the step size below the smallest value allowed ($8.881784e-16$) at time t .

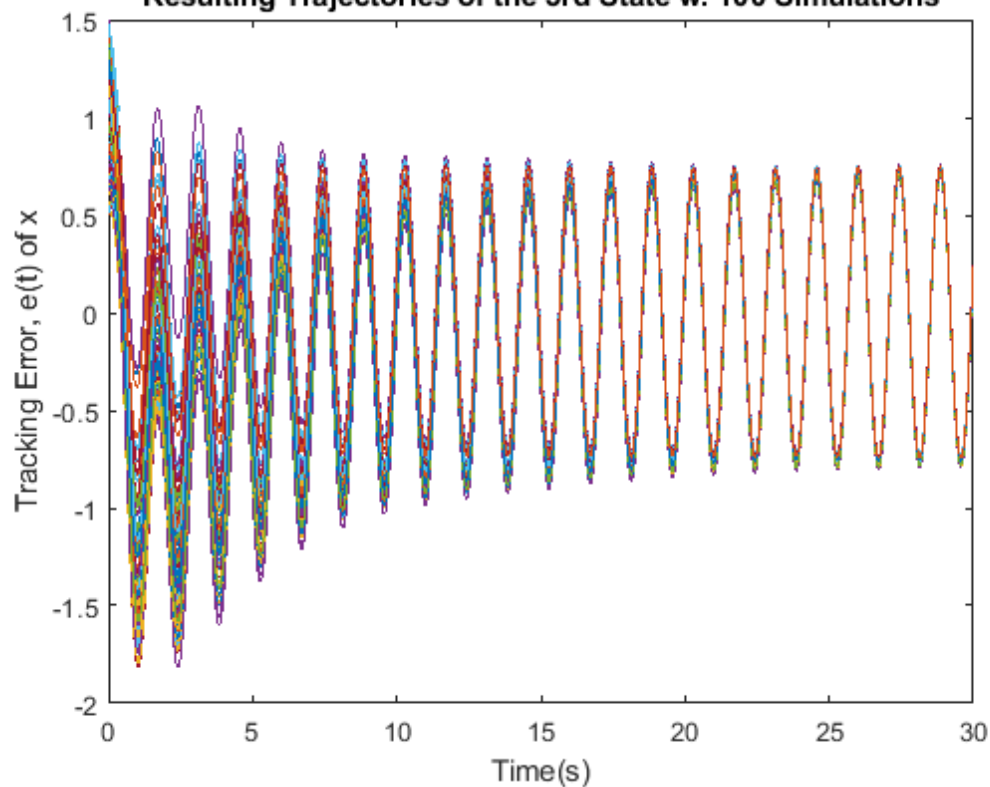
Resulting Trajectories of the 1st State w. 100 Simulations



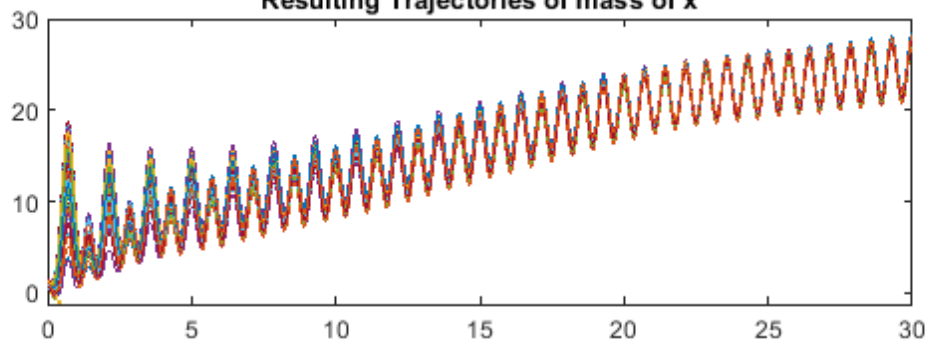
Resulting Trajectories of the 2nd State w. 100 Simulations



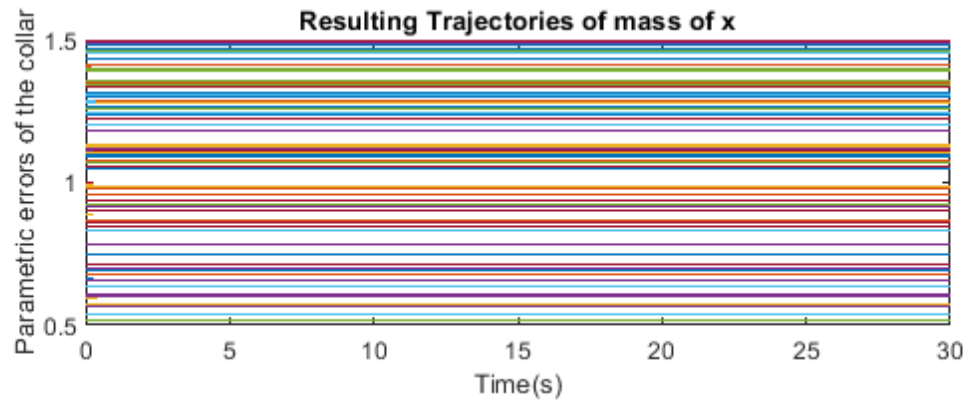
Resulting Trajectories of the 3rd State w. 100 Simulations



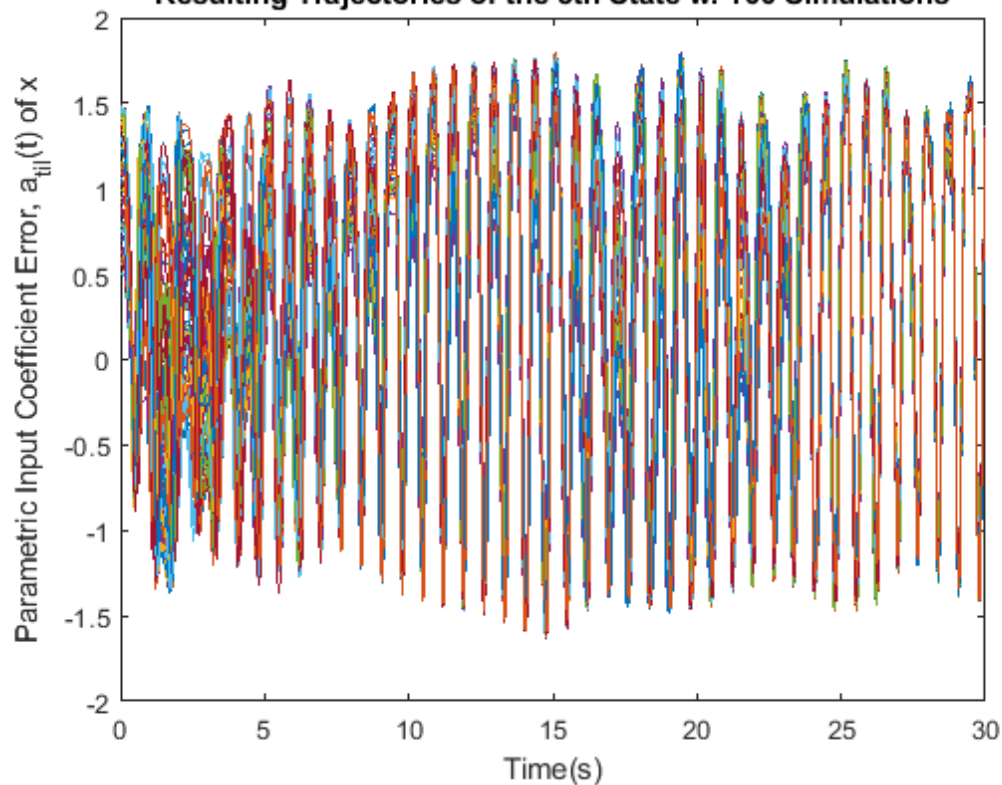
Resulting Trajectories of mass of x



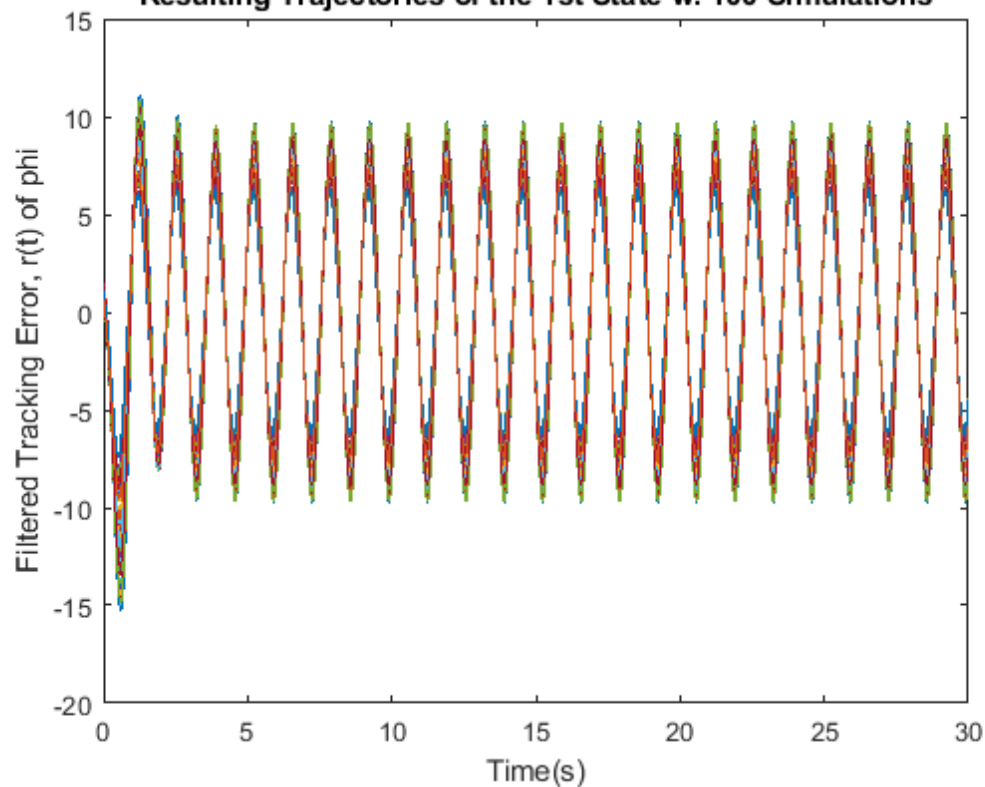
Resulting Trajectories of mass of x



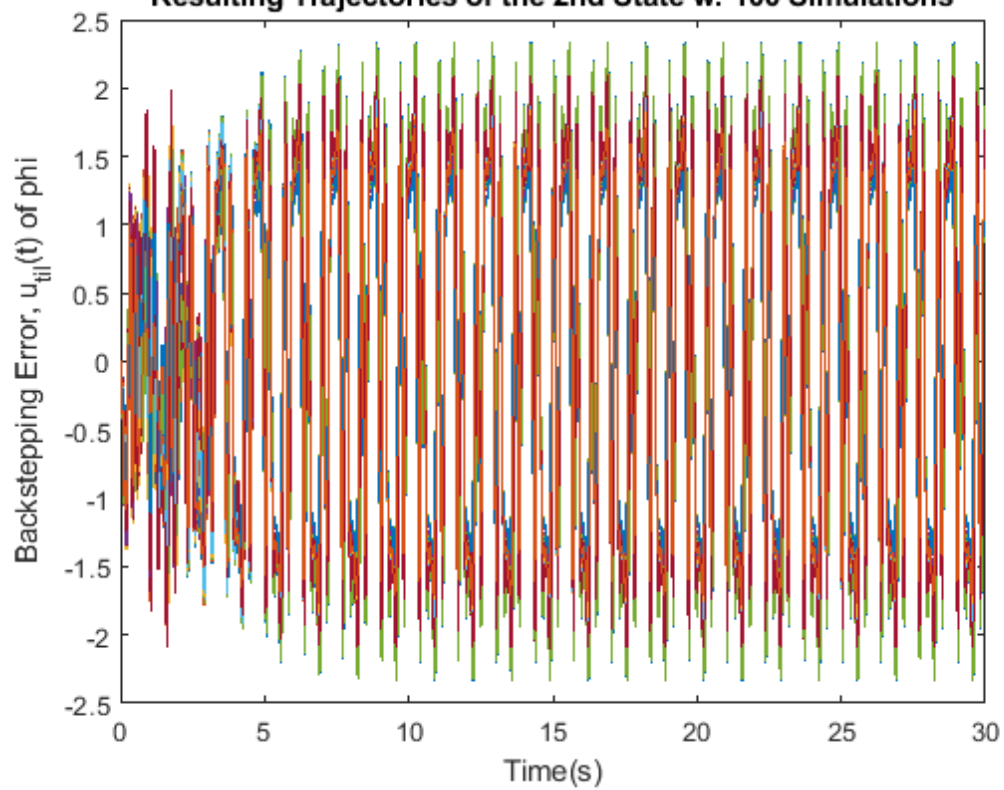
Resulting Trajectories of the 5th State w. 100 Simulations



Resulting Trajectories of the 1st State w. 100 Simulations



Resulting Trajectories of the 2nd State w. 100 Simulations



Resulting Trajectories of the 3rd State w. 100 Simulations

