

The asymptotically stability of the null solution for the mentioned differential equation is shown by the following graph.

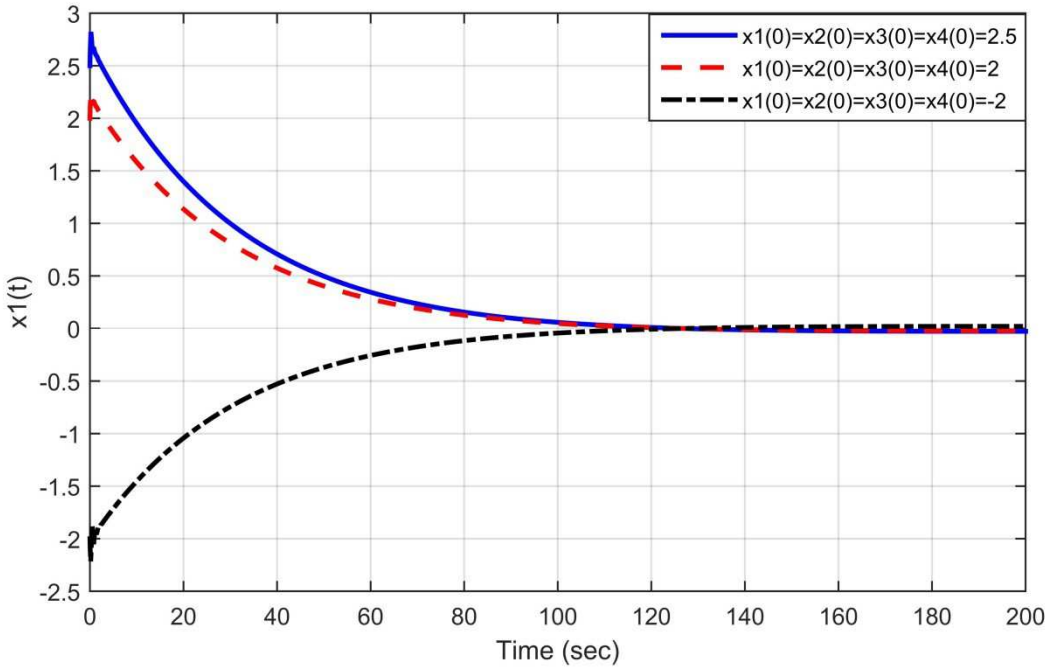


Figure 1. Trajectory of $x_1(t)$ for Example.

The boundedness of all the solutions for the mentioned differential equation is shown by the following graph.

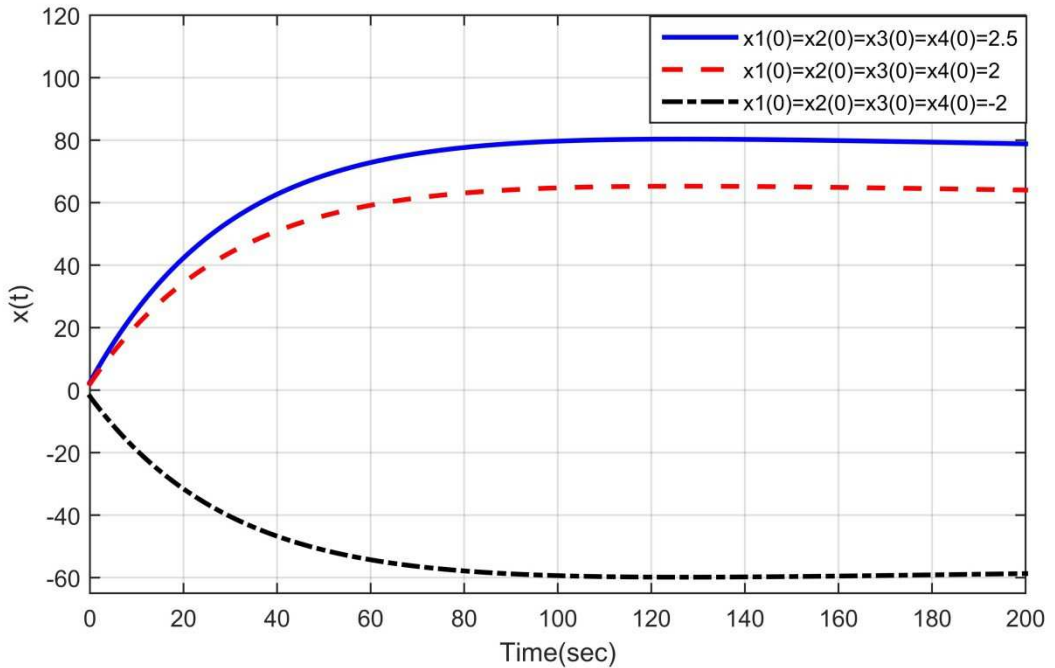


Figure 2. Trajectory of $x(t)$ for Example.