Asymptotical Stability of Riemann–Liouville Nonlinear Fractional Neutral Systems with Time-Varying Delays

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November 14, 2021

Abstract

In this paper, we investigate the asymptotic stability of solutions for a class of nonlinear fractional neutral differential systems with time dependent delays when the given delays are unbounded. An example is used to show the efficacy of the theorems. The LMI tool box was used to calculate the solutions to the convex optimization problems.

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