

Asymptotic Stability of Linear Differential Equations with Discrete and Distributed Delays

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Abstract

This study summarizes recent results on the asymptotic stability of linear differential equations with discrete and distributed delays. It is important to clarify the stability dependence on parameters of delay autonomous equations. Stability results are classified into two types: results on stability regions in the parameter space of the coefficients under fixed delays, and results on delay-dependent stability conditions under fixed coefficients. The aim of this study is to derive the latter stability conditions.

References

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