

# Global Optimization in Control System Analysis and Design

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Book chapter in *Control and Dynamic Systems: Advances in Theory and Applications*, C. T. Leondes, editor, part 1, 53:1-56, Academic Press, 1992. Conference paper appeared in *The First IEEE Regional Conference on Aerospace Control Systems*, pp.421-425, 1993.

- Book chapter: [global\\_opt.pdf](#)

We present branch and bound algorithms for the computation of several important quantities (best- and worst-case norms and best- and worst-case state decay rates) that arise in the analysis and design of parameter-dependent linear systems.

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Page generated 2018-11-24 09:00:12 PST, by jemdoc.