

Analysis of Bifurcation Parameters by Metric Representation linearized of an Aeronautical System

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Abstract:

A measurement of representation of a linearized system was used to determine the bifurcation parameters that may affect the linearization of a non-linear system as an aeronautical system. This measurement is based on the Taylor series expansion and was applied to aeronautic system. Current measurement considers that matrix elements resulting from left division of matrices containing second-order and first-order partial derivatives should be smaller than deviations from the nominal values

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