

Inverse Matrix in the Theory of Dynamical Systems

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Abstract : In dynamic system theory a mathematical model is often used to describe their properties. In order to find a transfer matrix of a dynamic system we need to calculate an inverse matrix. The paper contains the fusion of the classical theory and the procedures used in the theory of automated control for calculating the inverse matrix. The final part of the paper models the given problem by the Matlab.

Keywords : dynamic system, transfer matrix, inverse matrix, modeling

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