Abstract

This paper presents a mixed method for reducing order of the large scale interval systems using the Mihailov Criterion and factor division method. The denominator coefficients of reduced order model is determined by using Mihailov Criterion and numerator coefficients are obtained by using Factor division method. The mixed methods are simple and guarantee the stability of
the reduced model if the original system is stable. Numerical examples are discussed to illustrate the usefulness of the proposed method.

Reference


Index Terms

Computer Science
Control Systems
Key words
Factor division  Mihailov Criterion  Mixed method
Order  Reduced
Stability