

## عنوان مقاله:

A different view on controllability and observability of continuous time linear systems with interval coefficients

## محل انتشار:

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## خلاصه مقاله:

We discuss the controllability and observability of time-invariant (continuous time) linear systems with interval coefficients using the notion of being full rank of interval matrices. The most important advantage of the proposed attitude is to consider these two essential concepts, that is, control lability and observability, in interval time-invariant linear systems, which, in turn, may play important roles in the analysis of uncertain systems. Some different definitions on to be full rank of matrices have been utilized to propose different views on the controllability and observability of interval linear systems according to different criteria. Finally, in several control-observation processes, the controllability and observability are evaluated based on the given achievements

## کلمات کلیدی:

controllability, Observability, Time-invariant linear systems with interval coefficients

## لینک ثابت مقاله در پایگاه سیویلیکا:

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