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Equivalence of singular 2-D linear models. (English) Zbl 0716.93030
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Summary: Relations between different singular 2-D linear models and their equivalence are considered. It is shown that any singular 2-D general model can be reduced to the equivalent singular Roesser model. The considerations can be extended for singular n-D ($n > 2$) models with constant and variable coefficients.

MSC:

93C55 Discrete-time control/observation systems
93B11 System structure simplification
93C05 Linear systems in control theory

Cited in 4 Documents

Keywords:

singular 2-D linear models; singular Roesser model