

On the Derivation of a State-Space Model of a Periodic Process Described by Recurrent Equations

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Abstract: Here the problem is considered of obtaining a periodic description in state-space form of a linear process which can be modelled by linear recurrent equations with periodic coefficients. A polynomial time-invariant description of such a model is used, in order to characterize the order of the model and to introduce an equivalence relation between two models.

Keywords:

AMS Subject Classification: