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Identification of characteristics of coupled oscillators. (Russian. English summary)

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Summary: The observation and identification problem for a mathematical model of coupled Van der Pol oscillators is considered. Such systems arise under modelling many cyclical biological processes.

MSC:

93B30 System identification

34C15 Nonlinear oscillations and coupled oscillators for ordinary differential equations

93B07 Observability

Keywords:

observer; identification of parameters; invariant relation; Van der Pol oscillator

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