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Implementation of variable structure control for sampled-data systems. (English)

[\[Zbl 0859.93012\]](#)

Garofalo, Franco (ed.) et al., Robust control via variable structure and Lyapunov techniques. Based on the IEEE workshop, Benevento, Italy, September 1994. Berlin: Springer. Lect. Notes Control Inf. Sci. 217, 87-106 (1996).

Discrete-time sliding mode control is examined for linear and nonlinear sampled-data systems. Discrete-time sliding mode control for stochastic systems is also discussed in both cases of continuous and discrete measurement. An example of sampled-data implementation of sliding mode for a flexible structure is presented.

For the entire collection see [\[Zbl 0845.00064\]](#).

Reviewer: [T.Zolezzi \(Genova\)](#)

MSC:

[93B12](#) Variable structure systems

[93C57](#) Sampled-data control/observation systems

Cited in **2** Documents

Keywords:

[variable structure control](#); [discrete-time sliding mode control](#); [sampled-data systems](#)