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Adaptive algorithm to compensate parametrically uncertain biased disturbance of a linear plant with delay in the control channel. (English. Russian original) [Zbl 1218.93043](#)

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Summary: A new adaptive algorithm for compensation of parametrically uncertain biased harmonic disturbances is proposed. In contrast to the existing counterparts, consideration is given to the case of disturbance compensation where the relative degree of the plant model may be anyone, only the controlled output is measured, and the control channel is characterized by a delay.

MSC:

[93C40](#) Adaptive control/observation systems
[93B40](#) Computational methods in systems theory (MSC2010)
[93C05](#) Linear systems in control theory
[93C73](#) Perturbations in control/observation systems

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[adaptive algorithm](#); [parametrically uncertain biased harmonic disturbance](#)

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