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For a scan of this review see the [web version](#).

MSC:

- [34K20](#) Stability theory of functional-differential equations
- [34K25](#) Asymptotic theory of functional-differential equations
- [34D20](#) Stability of solutions to ordinary differential equations

Cited in **17 Documents**

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References:

- [1] Yorke, J.A, Asymptotic stability for one-dimensional differential-delay equations, (), 189-202 · [Zbl 0184.12401](#)
- [2] {S. E. Grossman}, Stability and asymptotic behavior of differential-delay equations, *J. Math. Anal. Appl.*, to appear. · [Zbl 0212.43601](#)
- [3] Halanay, A; Yorke, J.A, Some new results and problems in the theory of functional-differential equations, *SIAM rev.*, 13, 55-80, (1971) · [Zbl 0216.11902](#)
- [4] Halanay, A, *Differential equations*, (1966), Academic Press New York
- [5] Hale, J, *Functional differential equations*, (1971), Springer-Verlag New York · [Zbl 0222.34003](#)
- [6] Winston, E, Uniqueness of the zero solution for delay differential equations with state dependence, *J. differential equations*, 7, 395-405, (1970) · [Zbl 0188.15603](#)
- [7] Bellman, R; Cooke, K, *Differential-difference equations*, (1963), Academic Press New York
- [8] Stephan, B.H, On hereditary equations close to ordinary differential equations, *SIAM J. appl. math.*, 19, 527-531, (1970) · [Zbl 0204.40901](#)
- [9] Stephan, B.H, On the existence of periodic solutions of $\dot{z}(t) = -az(t - r + \mu k(t, z(t))) + F(t)$, *J. differential equations*, 6, 408-419, (1969) · [Zbl 0184.12101](#)
- [10] Barnea, D.I, A method and new results for stability and instability of autonomous functional differential equations, *SIAM J. appl. math.*, 17, 681-697, (1969) · [Zbl 0181.10102](#)
- [11] Krasovskii, N.N, *Stability of motion*, (1963), Stanford University Press Stanford, CA · [Zbl 0109.06001](#)
- [12] Yorke, J, Some extensions of Liapunov's second method, (), 206-207
- [13] Hale, J, Sufficient conditions for stability and instability of autonomous functional-differential equations, *J. differential equations*, 1, 452-482, (1965) · [Zbl 0135.30301](#)
- [14] Razumikhin, B.S, Application of Liapunov's method to problems in the stability of systems with a delay, *Avtomat. i telemekh.*, 21, 740-748, (1960) · [Zbl 0114.04502](#)
- [15] Mikołajska, Z, Une modification de la condition de Liapunov pour LES équations à paramètre retardé, *Ann. polon. math.*, 21, 103-111, (1969) · [Zbl 0175.10202](#)
- [16] Yorke, J, Non-continuable solutions of differential-delay equations, (), 648-652 · [Zbl 0184.12302](#)
- [17] Cooke, K.L, Linear functional differential equations of asymptotically autonomous type, *J. differential equations*, 7, 154-174, (1970) · [Zbl 0185.18001](#)
- [18] Driver, R, Existence theory for a delay-differential system, *Contributions differential equations*, 1, 317-336, (1963) · [Zbl 0126.10102](#)
- [19] Driver, R, Note on uniqueness for a one-dimensional two-body problem of classical electrodynamics, *Ann. phys.*, 42, 347-351, (1967)
- [20] Kato, J, On Liapunov-Razumikhin type theorems, (), 16-28

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