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Delay-dependent $L_2 - L_\infty$ filtering for fuzzy neutral stochastic time-delay systems

Mingang Hua, Fengqi Yao, Pei Cheng, Juntao Fei, Jianjun Ni

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Highlights

- L2-L_infinite filter design are firstly investigated for fuzzy neutral stochastic systems.
- Based on the Lyapunov-Krasovskii functional and the Jensen equality in the neutral stochastic setting, the L2-L_infinite filtering problem for fuzzy neutral stochastic systems is considered.
- The sufficient condition for the existence of an exponential L2-L_infinite filter are less conservative.

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