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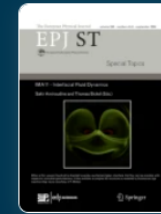
Controllability of impulsive fractional damped integrodifferential systems with distributed delays

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instantaneously with respect to time and the evolution of the system may depend not only on its current state but also on its past states. The controllability results for fractional systems with delays are reported in [[12](#),[13](#),[14](#),[15](#),[16](#)]. The literature also reports on controllability results for fractional systems with control delays in [[17](#), [18](#)]. Klamka [[19](#)] discussed the controllability problem with delays in state and control. The controllability of fractional systems involving delays and impulses has been studied in [[20](#),[21](#),[22](#),[23](#),[24](#)]. In [[25](#), [26](#)], the authors discussed the stability analysis of neural networks with time-varying delays and impulses. In [[27](#)], G. Rajchakit, R. Sriraman, N. Boonsatit, P. Hammachukiattikul, C.P. Lim, P. Agarwal, Adv. Differ. Equ. 2021(208), 1–21 (2021). <https://doi.org/10.1186/s13662-021-03367-z> effectively modeled using distributed delay systems, where the influence of past events is not instantaneous but occurs over time, providing a more realistic representation in mathematical models. The controllability results with distributed delays can be found in [[27](#)].