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Summary: In this paper, the impulsive exponential anti-synchronization for chaotic delayed neural networks is investigated. By establishing an integral delay inequality and using the inequality method, some sufficient conditions ensuring impulsive exponential anti-synchronization of two chaotic delayed networks are derived. To illustrate the effectiveness of the new scheme, a numerical example is given.

Keywords: chaotic neural networks; anti-synchronization; impulsive perturbation; inequality method; feedback control