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Stability in Cohen-Grossberg-type bidirectional associative memory neural networks with time-varying delays. (English) Zbl 1118.37038

Nonlinearity 19, No. 7, 1601-1617 (2006).

The authors study the exponential stability of a class of Cohen-Grossberg type bidirectional associative memory neural networks with constant coefficients but time-varying delays. Several sufficient conditions are derived for the existence, uniqueness and globally exponential stability of an equilibrium, which generalize some related results in the literature.

Reviewer: [Meng Fan \(Changchun\)](#)

MSC:

- [37N25](#) Dynamical systems in biology
- [92B20](#) Neural networks for/in biological studies, artificial life and related topics
- [93C23](#) Control/observation systems governed by functional-differential equations

Cited in **110** Documents

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[exponential stability](#); [Cohen-Grossberg type BAM neural networks](#)

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