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Avalanches and generalized memory associativity in a network model for conscious and unconscious mental functioning

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Highlights for the manuscript

Avalanches and Generalized Memory Associativity in a Network Model for Conscious and Unconscious Mental Functioning

by M. Siddiqui, R.S. Wedemann, and H. J. Jensen.

- Generalized Simulated Annealing (GSA) is applied to Neural Networks.

- GSA and the Boltzmann Machine are compared.

- Avalanches in memory retrieval follow q-exponentials.

- Asymptotic power-laws are observed, as in fMRI measurements.

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