

Title: Contrastive Hebbian learning

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Contrastive Hebbian learning is a biologically plausible form of Hebbian learning .

It is based on the contrastive divergence algorithm, which has been used to train a variety of energy-based latent variable models.

In 2003, contrastive Hebbian learning was shown to be equivalent in power to the backpropagation algorithms commonly used in machine learning .

See also

Oja's rule

Generalized Hebbian algorithm

References

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Contrastive Hebbian learning

Generalized Hebbian algorithm

Oja's rule

Engram (neuropsychology)

Feedforward neural network

Backpropagation

Leabra

GeneRec

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