Comparative Analysis of Recurrent Networks for Pattern Storage and Recalling of Static Images

Volume 170
Number 10

Year of Publication: 2017

Authors:
Jay Kant Pratap Singh Yadav, Laxman Singh, Zainul Abdin Jaffery

Abstract

Auto associative memory is widely used network for pattern storage and recalling of patterns. Hopfield network, Hamming network are popularly known auto associative memory networks. In this paper we present comparative analysis in term of storage and recalling efficiency of Hopfield network and Hamming network and we choose images of letters. The results of the simulation for Hopfield and hamming network for character recognition under high noise are delineated and mentioned.

References

2 Neural Networks with Feedback and Self-organization.

Index Terms

Computer Science Pattern Recognition

Keywords

Auto associative, Pattern, Recurrent network, Hebbian rule