Time-Sequential Self-Organization of Hierarchical Neural Networks

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Abstract:

Self-organization of multi-layered networks can be realized time-sequential organization of successive neural layers. by Lateral inhibition operating in the surround

of firing cells in each for unsupervised capture of excitation patterns presented by the previous layer. By presenting patterns of

organization, higher implicit in the pattern set. in co-ordination with network self(cid:173) the hierarchy capture concepts

increasing complexity,