
***** HORA INFORMATICAE *****

***** (založeno v r. 1994) *****

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Pod Vodárenskou věží 2, Praha 8 - Libeň
konat přednáška

Topology and Geometry in Neural Network Approximation

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We show that lower bounds on rates of approximation which exhibit the curse of dimensionality are not applicable to many common types of deep and shallow networks. These lower bounds are based on topological methods requiring continuity, but we show that no continuous selection of network parameters leads to best, or nearly best, approximation.

