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## FUZZY FUNCTION APPROXIMATIONS USING FEEDFORWARD NETWORKS WITH RIGHT SIGMOIDAL SIGNALS

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## Abstract

Chen, Cybenko, Funahashi, Babri and others studied function approximation capabilities by feedforward neural networks. Ramakrishnan et. al. introduced right sigmoidal signals to study the approximations of functions in  $C(\overline{R}^n)$ . In this paper, the right sigmoidal signal is used to establish function approximation theorems using the operators  $^{\circ}$  and v.

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Key Words: Right Sigmoidal, Function approximation, Feedforward networks, Fuzzy set etc.

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