Abstract

This paper examines the study of various feed forward back-propagation neural network training algorithms and performance of different radial basis function neural network for angle based triangular problem. The training algorithms in feed forward back-propagation neural network comprise of Scale Gradient Conjugate Back-Propagation (BP), Conjugate Gradient BP through Polak-Riebre updates, Conjugate Gradient BP through Fletcher-Reeves updates, One Secant BP and Resilient BP. The final result of each training algorithm for angle based triangular problem will also be discussed and compared.

References

Index Terms

Computer Science  Algorithms

Keywords

Feed-forward back-propagation neural network  radial basis function  generalized regression neural network