

Neural Network-Based Decision Feedback Equaliser With Latticestructure

Shafi, A. Zerguine, A. Bettayeb, M.; Dept. of Electr. Eng., King Fahd Univ. of Pet. Miner.,
Dhahran;

Electronics Letters; Publication Date: 30 Sep 1999; Vol: 35, Issue: 20

King Fahd University of Petroleum & Minerals

<http://www.kfupm.edu.sa>

Summary

The effect of whitening the input data in a multilayer perceptron-based decision feedback equaliser (DFE) is evaluated. It is shown from computer simulations that whitening of the received data employing adaptive lattice channel equalisation algorithms improves the convergence rate and bit error rate performances of multilayer perceptron-based DFEs

For pre-prints please write to: abstracts@kfupm.edu.sa