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MODELING AND SIMULATION OF WIRELESS NETWORKS FOR HANDOVER PROBABILITIES

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Abstract

In this work, modeling of handover probabilities for the five node networks is carried out and the probabilities are computed for unnecessary handover, missing handover and wrong decisions. Wrong decision probability is the summation of unnecessary and missing handover probabilities. Also, the handover probability is computed for the bandwidths up to 20. The modeling is based on the five state Morkov chain model. Simulations are carried out for the different decision times from D=1 to D=5 mS. The simulation results for the five node network model is presented.

Keyword : Wrong Decision Probability, Missing Handovers, Unnecessary handovers