

عنوان مقاله:

Handover Performance Improvement by Adaptive Hysteresis Margin Selection based on Estimation of Fading Characteristics

محل انتشار:

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خلاصه مقاله:

The performance of a proposed handover algorithm based on both adaptive averaging and adaptive hysteresis margin assignment is evaluated. The algorithm performs handoff through the conventional RSS based algorithm by mitigating received signal strength fluctuations and adaptively assignment of hysteresis margin. The Cross over point and number of handoffs are used as criteria for performance. Numerical results are presented to demonstrate the feasibility of this algorithm. The proposed algorithm is compared with an algorithm based on absolute and relative signal strength measurements with a fixed hysteresis margin assignment. Best combination of averaging and adaptive hysteresis margin assignment is robust to variation of fading characteristics of environment.

کلمات کلیدی:

handover, shadow and fast fading, adaptive averaging

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