

عنوان مقاله:

Space-Time Coding with High-Performance Demodulation for Two-Relay DF Cooperation Systems

محل انتشار:

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خلاصه مقاله:

In this paper, we consider a decode-and-forward (DF) cooperative communication system with half-duplex (HD) nodes consisting of a source node, a destination node, and two relay nodes. We propose a space-time coding scheme and employ two different decoding strategies at the destination. First, we employ an appropriate power profile and a maximumlikelihood (ML) combiner at the destination. Second, we use a cooperative-MRC (C-MRC) combiner at the destination. The numerical results clearly demonstrate that both of the mentioned schemes outperform a recent .work while preserving the maximum multiplexing gain of two-third

کلمات کلیدی:

Cooperative communication, cooperative diversity, decode-and-forward, space-time coding, power profile, Cooperative MRC

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