عنوان مقاله:

Computing the Computational Complexity of an Efficient Algorithm for Greedy ZF-DP Precoding Method in MIMO Broadcast Channels

نویسندگان:

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خلاصه مقاله:

In this work we analyze a precoding method in MIMO broadcast channels which is called ZF-DP. (QR Decomposition with Dirty Paper coding) There is an algorithm for reducing the computational complexity of the ZF-DP method with greedy user selection. In this paper the computational complexity of this algorithm is computed when the channel matrix is full rank or rank deficient.

کلمات کلیدی:

Broadcast Network, ZF-DP Precoding, Greedy User Selection, Householder Method