

Research on Alamouti code and its application in cooperative wireless networks

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Abstract: This topic studies Alamouti coding—an efficient communication method aimed at addressing interference and signal loss issues in cooperative wireless networks. The objective is to build and deploy a communication system based on Alamouti coding to improve signal reception quality. The research methodology includes both theoretical and experimental approaches, involving simulation and testing of communication systems. The expected outcome is to provide a practical application solution for cooperative wireless networks, contributing to the advancement of communication technology.

Keywords: Alamouti code, cooperative wireless network, efficient communication