

Research on Turbo codes in CDMA systems

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Abstract: This topic focuses on researching Turbo coding methods in the context of modern CDMA systems to improve data transmission quality. The objective is to develop and optimize Turbo coding algorithms to reduce interference, increase communication efficiency, and enhance system reliability. The method combines theoretical research and experimentation on the CDMA platform. Expected results will contribute to the improvement of advanced coding technologies and their widespread application in the field of mobile telecommunications.

Keywords: Turbo code, CDMA system, data transmission, algorithm optimization, reliability