

Research on the application of Turbo codes in wireless communications

Bach Ngoc Do

Abstract: This topic studies the application of Turbo coding algorithms in wireless communication systems to improve signal performance. The context is the increasing demand for transmission quality and data reliability in wireless communications. The objective of the topic is to build an efficient Turbo coding platform for broadcast transmission systems. The research methodology includes theoretical analysis and experimental implementation on simulator platforms. The expected results not only demonstrate the feasibility of the solution but also contribute to the development of coding technology in the field of wireless communications.

Keywords: Turbo coding, wireless communication, error correction, simulation, data transmission