

Research on some solutions to overcome nonlinear distortion in satellite communications

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Abstract: In the context of the rapid development of satellite technology, ensuring signal quality is no longer an easy task. This topic focuses on researching and proposing solutions to mitigate nonlinear distortion in satellite communications. The main objective is to build an effective processing system to improve the accuracy of identification data received from satellites. Through a combination of theoretical research and experimentation, the topic aims to make a significant contribution to enhancing the quality of satellite information, meeting the increasing demands in various fields such as environment, agriculture, and transportation.

Keywords: Nonlinear distortion mitigation, satellite communications, signal processing system, data accuracy