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Abstract
The OFDM system was proposed for its efficiency in eliminanting the effects of multipath fading and impulse noise, However, in wideband mobile channel, the channel characteristic is usually frequency selective and time-varying. It is crucial to estimate the channel response for the receiver end to enhance the system performance. In this paper, we propose a channel estimation for the OFDM based on the check sum of the transmitted data. From the simulation results, it demonstrates that the our proposed method has superior performance in the fast fading channel.
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