



PILOT-SYMBOL-AIDED ITERATIVE CHANNEL ESTIMATION FOR OFDM-BASED SYSTEMS (TueAmOR7)

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* Abstract :

In this paper, we propose a pilot-symbol-aided iterative channel estimation for coded OFDM-based systems. We use the symbol APP provided by the channel decoder to form groups of virtual pilots. According to their reliabilities, we combine these groups to improve the channel estimation. We also compare the proposed algorithm with the EM algorithm.