

عنوان مقاله:

D channel estimation of OFDM systems over time-varying channel-2

محل انتشار:

ششمین کنفرانس مهندسی برق و الکترونیک ایران (سال: 1393)

تعداد صفحات اصل مقاله: 4

نویسنده:

Hoda Alinezhad - Qaemshahr, Iran

خلاصه مقاله:

D channel estimation of an OFDM system over time-varying channel is investigated in this paper using the Wiener-2 filter. In order to model time-varying channel Clarke's model is implemented. All the sub-carriers are not required in OFDM systems for channel estimation. The performance of channel estimator can profit from strong frequency correlations and quite strong time correlations when pilot symbols are spaced at interval in frequency and time respectively. Simulation results show that the 2-D channel estimator has better performance as the 1-D channel estimator using the same number of pilots.

کلمات کلیدی:

D channel estimation; OFDM system; wiener filter-2

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/383936>

