



(single user) (mimo) pilot cdma

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Channel Estimation for Orthogonal STBC MC-CDMA ...

www.researchgate.net/.../225008296_Channel_Estimation_for... ResearchGate

Hence, we propose a MIMO channel estimation method to overcome the above problem and avoid noise ... access (MC-CDMA) system with pilot aided channel estimation ... binary signal of a single user out of K active users is encoded

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CDMA technique, MC-CDMA does not multiply the user signal by a chip sequence, ... carrier can be represented by a single complex multiplier, which changes the ... for each active user. This problem becomes more serious in MIMO (Multiple.

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arxiv.org/pdf/1307.4388 arXiv

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the receiver employs an MMSE filter with a pilot contaminated estimate. We assume ... ered in [25] for a single cell multi-user MIMO DS-CDMA systems. For fixed ...

[PDF] Channel Estimation for MIMO MC-CDMA Systems - Aircc

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Key words: MIMO, MC-CDMA, channel estimation, pilot symbols, DFT, BER, SNR. 1. ... multiple access (CDMA) is a multiple access technique where different users ... of their characteristic individual signature pulses (sometimes called the ...

Signal Processing, Channel Estimation and Link Adaptation ...

<https://books.google.com/books?isbn=3867276498>

Jianjun Ran - 2005

... when each transmit antenna is regarded as a single user in the CDMA case. 8.2.2.2 Pilot pattern for channel estimation in the time domain Shifted-phase ... in MIMO-OFDM systems with SPPP The CIRs $h_{m,k}$ corresponding to different TX ...

MU-MIMO | Multi-User MIMO - Radio-Electronics.com

www.radio-electronics.com/info/.../mimo/multi-user-mu-mimo.php

An overview of the basics of MU-MIMO Multi-User MIMO - a form of advanced ... as is the case when technologies such as FDMA, TDMA or CDMA are used. ... MAC: The development of the MIMO-MAC is based on the known single user MIMO ... levels of uplink capacity to transmit the dedicated pilots from each user.

[PDF] Iterative Channel Estimation for MIMO MC-CDMA - Cost ...

cost289.ee.hacettepe.edu.tr/publications/session5-4.pdf

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interpolating the time-frequency pilot grid and exploiting the correlations of the received ... In this paper, we extend the idea of ICE to a MIMO MC-CDMA system with ... of a single user out of K active users is encoded by a channel coder and ...

Multi-user MIMO - Wikipedia, the free encyclopedia

en.wikipedia.org/wiki/Multi-user_MIMO Wikipedia

In contrast, single-user MIMO considers a single multi-antenna transmitter ... costs a lot of uplink resources to transmit dedicated pilots from each user to the AP.

[PS] Replica Analysis of General Multiuser Detection in MIMO ...

www.iet.ntnu.no/~ralf/papers/isit08.ps

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indistinguishable from that of LMMSE detection for short pilot sequences, the gap ...
CDMA channel with K fully-synchronized users, in which, the k th user and the ...
GPME MUD (3) is given as that of the single-user channel. We first introduce ...

[PDF] Sphere Decoder for a MIMO Multi-User MC-CDMA Uplin...
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a block of M OFDM symbols, including J pilot symbols allowing for channel ... Let us
consider the signal model of a MIMO single-user system in a flat-fading ...



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