

Blind Estimation Using Higher Order Statistics 1st Edition

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Blind Estimation Using Higher Order

Blind Estimation Using Higher-Order Statistics focuses on the blind estimation area and records some of the major developments in this field. Blind Estimation Using Higher-Order Statistics is a welcome addition to the few books on the subject of HOS and is the first major publication devoted to covering blind estimation using HOS. The book provides the reader with an introduction to HOS and goes on to illustrate its use in blind signal equalisation (which has many applications including ...

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Blind Estimation Using Higher-Order Statistics

Blind Estimation Using Higher-Order Statistics is an invaluable reference for researchers, professionals and graduate students working in signal processing and related areas. Only valid Blind Estimation Using Higher-Order Statistics books with an ebook version.

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Blind Estimation Using Higher-Order Statistics is an invaluable reference for researchers, professionals and graduate students working in signal processing and related areas. About Blind Estimation Using Higher-Order Statistics Writer Updated 16 Feb Blind Estimation Using Higher-Order Statistics algorithms implements a blind channel estimation algorithm for Space-Time Block Coded communications.

Blind Estimation Using Higher-Order Statistics eBook Free

Blind Channel Estimation for STBC Systems Using Higher-Order Statistics Vincent Choqueuse, Member, IEEE, Ali Mansour, Senior Member, IEEE, Gilles Burel, Senior Member, IEEE, Ludovic Collin, and Koffi Yao, Member, IEEE Abstract—This paper describes a new blind channel estimation algorithm for Space-Time Block Coded (STBC) systems. The

Blind Channel Estimation for STBC Systems ... - core.ac.uk

HIGHER-ORDER BLIND ESTIMATION OF GENERALIZED EIGENFILTERS USING INDEPENDENT COMPONENT ANALYSIS Toni Huovinen, Ali Shahed hagh ghadam, Mikko Valkama Tampere University of Technology Institute of Communications Engineering P.O.Box 553, FIN-33101, Tampere Finland, Email: {toni.huovinen,ali.shahed,mikko.e.valkama}@tut.fi ABSTRACT

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Blind Channel Estimation for STBC Systems Using Higher-Order Statistics Abstract: This paper describes a new blind channel estimation algorithm for Space-Time Block Coded (STBC) systems. The proposed method exploits the statistical independence of sources before space-time encoding.

Blind Channel Estimation for STBC Systems ... - IEEE Xplore

Blind channel estimation for STBC using higher order statistics (<https://www.mathworks.com/matlabcentral/fileexchange/30433-blind-channel-estimation-for-stbc-using-higher-order-statistics>), MATLAB Central File Exchange.

Select a Web Site - Makers of MATLAB and Simulink

1) The Higher Order Statistical Approaches: Many applications may not have the multichannel model considered in this paper. In such a case it may be necessary to exploit higher order statistics. There is an extensive literature dealing with blind channel estimation using higher order statistics in both time and frequency domains. See, for example,

Multichannel Blind Identification ... - Cornell University

Blind channel estimation for STBC using higher order statistics. version 1.0.0.0 (14.9 KB) by Choqueuse Vincent. Choqueuse Vincent (view profile) 14 files; 59 downloads; 3.9. This file implements an algorithm for blind channel estimation. 4.5.

Blind channel estimation for STBC using higher order ...

Abstract—A new blind channel estimation scheme for OFDM-systems is proposed based on the ML-principle. By avoiding the use of second- and higher-order statistics, a very fast convergence rate is achieved. A novel approach is also proposed for resolving the phase ambiguity of the blind channel estimate without the need for any reference symbols.

Totally Blind Channel Estimation for OFDM on Fast Varying ...

Blind Estimation Using Higher-Order Statistics is a welcome addition to the few books on the subject of HOS and is the first major publication devoted to covering blind estimation using HOS. Rating: (not yet rated) 0 with reviews - Be the first.

Blind estimation using higher-order statistics (Book, 1999 ...

Since the higher-order cumulants of Gaussian noise vanish, a consistent estimate of the channel model can be obtained by confining attention to fourth-order cumulants of the data. Next given the estimated channel model, an AR noise model is fitted by using just the correlation function of the data (Section 3.2).

Blind channel estimation and deconvolution in colored ...

Abstract: Orthogonal frequency-division multiplexing (OFDM) systems are highly sensitive to synchronization errors. We introduce an algorithm for the blind estimation of symbol timing and carrier frequency offset in wireless OFDM systems. The proposed estimator is an extension of the Gini-Giannakis (see IEEE Trans. Commun., vol.46, p.400-411, 1998) estimator for single-carrier systems.

Blind estimation of symbol timing and carrier frequency ...

Blind Estimation Using Higher-Order Statistics pp 253-277 | Cite as. Robust Cumulant Estimation. Authors; Authors and affiliations; D. Mämpel; A. K. Nandi; Chapter. 303 Downloads; Abstract. One of the problems in the application of higher-order statistics (HOS) is that of the estimation of cumulants. The higher the order the larger tends to be ...

Robust Cumulant Estimation | SpringerLink

A blind SNR estimator that does not require the knowledge of the instantaneous frequency of the sinusoid, through separate estimation of signal and noise power, was derived using the method of ...

(PDF) A comparison of SNR estimation techniques in the ...

Blind equalization is a digital signal processing technique in which the transmitted signal is inferred from the received signal, while making use only of the transmitted signal statistics. Hence, the use of the word blind in the name.. Blind equalization is essentially blind deconvolution applied to digital communications. Nonetheless, the emphasis in blind equalization is on online estimation ...

Blind equalization - Wikipedia

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