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Cyclostationarity in communications and signal processing.

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Corporate Author : STATISTICAL SIGNAL PROCESSING INC YOUNTVILLE CA

Personal Author(s) : Gardner, William A

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Abstract : By providing a comprehensive collection of contributions on the history and current state of the art in this rapidly emerging field, this book gives a complete survey of the theory, applications, and mathematics of cyclostationarity. It brings together the latest work in the field by the foremost experts and presents it in a tutorial fashion. It presents new concepts, methods, and algorithms for performing signal processing tasks and designing and analyzing communications systems. It features both broad chapters and more narrowly focused articles that provide in-depth surveys reviewing the newest developments in specific areas. The tutorial style, coupled with the comprehensive reference lists that are provided, make this book instrumental in furthering progress in understanding and using

cyclostationarity in all fields where it arises.

Descriptors : *SIGNAL PROCESSING , *TRANSFORMATIONS(MATHEMATICS) , *NONLINEAR ANALYSIS , *STATISTICAL ANALYSIS , *COMMUNICATION AND RADIO SYSTEMS , MATHEMATICAL MODELS , INTELLIGENCE , STATE OF THE ART , SURVEYS , STATIONARY , MULTIPATH TRANSMISSION , FREQUENCY DOMAIN , TIME DOMAIN , CORRELATION TECHNIQUES , ORDER STATISTICS , MATHEMATICS , HISTORY , SIGNALS , DEPTH , THEORY , DETECTION , ALGORITHMS

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