

Compressed Sensing Theory And Applications

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Other applications of compressed sensing include coding and information theory, machine learning, hyperspectral imaging, geophysical data analysis, computational biology, remote sensing, radar...

(PDF) Compressed Sensing: Theory and Applications

Compressed sensing is a novel research area, which was introduced in 2006, and since then has already become a key concept in various areas of applied mathematics, computer science, and electrical engineering. It surprisingly predicts that high-dimensional signals, which allow a sparse representation by a suitable basis or, more generally, a frame, can be recovered from what was previously considered highly incomplete linear measurements by using efficient algorithms.

Theory and applications of compressed sensing - Kutyniok ...

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Compressed Sensing Theory And Applications [PDF, EPUB, EBOOK]

Previous review articles in CS limit their scope to standard discrete-to-discrete measurement architectures using matrices of randomized nature and signal models based on standard sparsity. In recent years, CS has worked its way into several new application areas.

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Compressed sensing theory and applications ...

This thesis develops algorithms and applications for compressive sensing, a topic in signal processing that allows reconstruction of a signal from a limited number of linear combinations of the signal. New algorithms are described for common remote sensing

Theory and Applications of Compressive Sensing

Compressed sensing is an exciting, rapidly growing field, attracting considerable attention in electrical engineering, applied mathematics, statistics and computer science. This book provides the first detailed introduction to the subject, highlighting theoretical advances and a range of applications, as well as outlining numerous remaining research challenges.

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