Accepted Manuscript

Sparse Recovery of Missing Image Samples Using a Convex Similarity Index

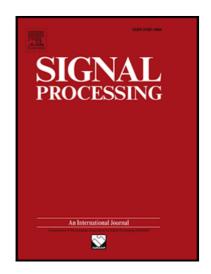
Amirhossein Javaheri, Hadi Zayyani, Farokh Marvasti

PII: S0165-1684(18)30191-9 DOI: 10.1016/j.sigpro.2018.05.022

Reference: SIGPRO 6830

To appear in: Signal Processing

Received date: 19 January 2018 Revised date: 20 April 2018 Accepted date: 22 May 2018



Please cite this article as: Amirhossein Javaheri, Hadi Zayyani, Farokh Marvasti, Sparse Recovery of Missing Image Samples Using a Convex Similarity Index, *Signal Processing* (2018), doi: 10.1016/j.sigpro.2018.05.022

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Highlights

- The proposed Convex SIMilarity (CSIM) index is a good measure of perceptual quality.
- The conditions for robust and unique sparse recovery via CSIM are analyzed.
- Missing sample problem is solved by optimizing CSIM under l1-norm constraint.
- An iterative algorithm is obtained via Alternating Direction Method of Multipliers.
- The proposed algorithm is convergent and practically efficient in missing recovery.

Download English Version:

https://daneshyari.com/en/article/6957100

Download Persian Version:

https://daneshyari.com/article/6957100

<u>Daneshyari.com</u>