

## Accepted Manuscript

Improvement in accuracy for dimensionality reduction and reconstruction of noisy signals. Part I: The case of random signals

Anatoli Torokhti, Pablo Soto-Quiros

PII: S0165-1684(18)30305-0  
DOI: <https://doi.org/10.1016/j.sigpro.2018.09.021>  
Reference: SIGPRO 6931



To appear in: *Signal Processing*

Received date: 29 November 2017  
Revised date: 21 August 2018  
Accepted date: 16 September 2018

Please cite this article as: Anatoli Torokhti, Pablo Soto-Quiros, Improvement in accuracy for dimensionality reduction and reconstruction of noisy signals. Part I: The case of random signals, *Signal Processing* (2018), doi: <https://doi.org/10.1016/j.sigpro.2018.09.021>

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.

**Highlights**

- A novel interpretation of the problem of dimensionality reduction and reconstruction of random signals is studied.
- The underlying idea is to construct a transform which has more parameters to optimize than those in the known optimal transforms.
- The proposed transforms provide, under a certain condition, better associated accuracy than that of the known optimal transforms.

Download English Version:

<https://daneshyari.com/en/article/11032451>

Download Persian Version:

<https://daneshyari.com/article/11032451>

[Daneshyari.com](https://daneshyari.com)