

Acknowledgments

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List of Acronyms

BMID	Blind modal identification
BSS	Blind source separation
COST	Cooperation in the field of scientific and technical research
CWT	Continuous wavelet transform
DOF	Degree of freedom
EBMID	Enhanced blind source separation
EKPCA	Enhanced kernel principal component analysis
EMD	Empirical mode decomposition
ESOB	Enhanced second order blind identification
FFT	Fast Fourier transform
FRF	Frequency response function
FT	Fourier transform
HHT	Hilbert-Huang transform
ICA	Independent component analysis
IMF	Intrinsic mode function
KPC	Kernel principal component
KPCA	Kernel principal component analysis
LANL	Los Alamos National Laboratory
MAC	Modal Assurance Criterion
MCI	Modal Contribution Indicator
NARMAX	Nonlinear autoregressive moving average with exogenous outputs
NNM	Nonlinear normal mode
NSA	Null subspace-based analysis
PC	Principal component
PCA	Principal component analysis
POD	Proper orthogonal decomposition
PSD	Power spectral density
RBF	Radial basis function
RMS	Root mean square
SHM	Structural health monitoring
SOBI	Second order blind identification
SPE	Squared prediction error
SSI	Stochastic subspace identification
STFT	Short-time Fourier transform
SVD	Singular-value decomposition
WT	Wavelet transform