Abstract

This paper describes about to reduce the musical noise by diagonal and non-diagonal estimation procedures in time-frequency domain to achieve better SNR of the musical noise signal. State of the art algorithms parameterized filtering of spectrogram coefficients with empirically fixed parameters. A block thresholding estimation procedure is introduced, which adjust all parameters adaptively to signal property by minimizing stein estimation of the risk. The resulting algorithm is robust to variations of signal structures such as short transients and long
Nondiagonal Estimation Techniques for Noise Reduction in Audio Signal

harmonics.

References

- Ivan Selesnick, "Short Time Fourier Transform", Connexions, August 9, 2005.

Index Terms

Computer Science

Computational Intelligence

Keywords

Audio denoising block thresholding Power spectrum Power subtraction thresholding