BUILDING AN NMF SOURCE SEPARATION TOOLBOX FOR MUSICAL AUDIO

# Abstract

Non Negative Matrix Factorization (NMF) has proven to be an effective tool in source separation problems for musical audio. This report presents a MATLAB framework for source separation using NMF. Several related algorithms have been implemented and benchmarked, and the software is highly modular and extensible. We also present a discussion and timeline of future work, including score-aware implementations and public release as a MATLAB toolbox.

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