

Tutorial: Introduction to Musical Source Separation

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Abstract. This tutorial will offer an introduction to the principles of sound source separation, and to the advantages it offers to Music Information Retrieval applications. A number of general separation concepts, such as mixing models, sparse decompositions and Independent Component Analysis will be introduced, followed by a set of techniques aimed specifically at musical mixtures, such as methods relying on Sinusoidal Modeling and on a priori training of instrument models. Recently published works will be presented, together with numerous sound examples.