



MUTUAL INFORMATION APPROACH TO BLIND SEPARATION-DECONVOLUTION (TueAmOR11)

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✳ **Abstract :** In this paper, we propose an approach to the blind separation-deconvolution problem, based on the mutual information criterion. Formulas for the quasi Newton algorithm is provided. More interesting results have been obtained in the pure deconvolution case. By a clever parameterization of the deconvolving filter, the quasi Newton algorithm also become particularly simple. Simulation results showing the good performance of this algorithm are provided.

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