

论文

L₁ DECONVOLUTION FOR A STATIONARY NON-MINIMUM PHASE AR(p) MODEL

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摘要 This paper provides the theoretical fundamentals of L₁ deconvolution for the stationary time series {y_n} which satisfies a non-minimum phase AR(p) model. An algorithm of the L₁ deconvolution and its convergency are analyzed in detail. Both theoretical analysis and numerical examples show that this kind of deconvolution is especially appropriate for the case of P(x_{n=0})≠0, where {x_n} is the system input resulting in {y_n}; and such a case is just interesting in seismic signal processing.

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