

عنوان مقاله:

A Weighted Soft-Max PNLMS Algorithm for Sparse System Identification

محل انتشار:

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خلاصه مقاله:

This paper presents a new Proportionate Normalized Least Mean Square (PNLMS) adaptive algorithm using a soft maximum operator for sparse system identification. To provide a high rate of convergence, soft maximum operator is employed along with a weighting factor, which is proportional to an estimation of output mean square error (MSE). Simulation results show the superiority of the proposed algorithm over its PNLMS-based counterparts.

کلمات کلیدی:

Sparse adaptive filter, System identification, Echo cancelation, Soft maximum

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