### **Accepted Manuscript**

Performance Analysis of Diffusion Least Mean Fourth Algorithm over Network

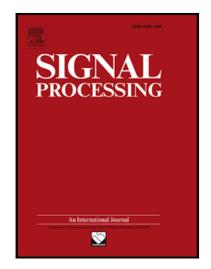
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PII: S0165-1684(17)30196-2 DOI: 10.1016/j.sigpro.2017.05.025

Reference: SIGPRO 6492

To appear in: Signal Processing

Received date: 9 December 2016 Revised date: 22 May 2017 Accepted date: 24 May 2017



Please cite this article as: Wenyuan Wang, Haiquan Zhao, Performance Analysis of Diffusion Least Mean Fourth Algorithm over Network, *Signal Processing* (2017), doi: 10.1016/j.sigpro.2017.05.025

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#### ACCEPTED MANUSCRIPT

## **Highlights**

- The mean behavior of DLMF algorithm is analyzed.
- We proposed a novel method to analyze the transient MSD of DLMF algorithm.
- The mean square stability of DLMF algorithm is firstly analyzed.
- Simulation results verify the correctness of performance analysis.



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