

AN ALMOST SURE CENTRAL LIMIT THEOREM FOR SELF-NORMALIZED WEIGHTED SUMS OF THE ϕ MIXING RANDOM VARIABLES

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Abstract. In this paper, an almost sure central limit theorem is obtained for self-normalized weighted sums of the ϕ mixing random variables. Our results extend and give substantial improvement for the result obtained by Zhang [12] and our results also extend the earlier work on almost sure central limit theorem such as Wu [13].

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