

# Asymptotic results for the product of partial sums

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The study of asymptotic behavior of the product of partial sums started with Arnold and Villaseñor (1998). The result showed that the product of the partial sums of independent, identically distributed exponential random variables was asymptotically lognormal. In the past decade this result has been extended to random variables in the domain of attraction of stable distributions and also its functional and almost sure versions have been proved. In this talk we survey the limit theorems for the products of partial sums and discuss some open problems.