

LIMIT LAWS AND MANTISSA DISTRIBUTIONS

Michael J. Sharpe

Abstract: There are two main parts to the paper, both connected to Benford's Law. In the first, we present a generalization of the averaging theorem of Flehinger. In the second, we study the connection between multiplicative infinite divisibility and Benford's Law, ending with a variant of the Lindeberg-Feller theorem that describes a rather specific triangular array model leading to Benford behavior.

2000 AMS Mathematics Subject Classification: 60F05, 60E07.

Key words and phrases: Benford's Law, mantissa, Flehinger's theorem, lognormal, uniform, triangular array.

THE FULL TEXT IS AVAILABLE [HERE](#)