

Abstracts

A Survey of Chaos and its Applications

C.P. Silva. "A Survey of Chaos and its Applications." 1996 MTT-S International Microwave Symposium Digest 96.3 (1996 Vol. III [MWSYM]): 1871-1874.

The relatively new science of chaos has now entered an exciting stage of practical application to real-world problems, impacting such diverse areas as communications, fluid mechanics, and physiology. This paper will introduce the basics of dynamical systems, provide a beginner's guide to chaos and the closely related disciplines of fractals and wavelets, and discuss several novel communications/signal processing applications of interest to microwave engineers.

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