

Abstracts

Noise in High Speed Digital Systems (Late Paper)

M.S. Gupta. "Noise in High Speed Digital Systems (Late Paper)." 1988 MTT-S International Microwave Symposium Digest 88.2 (1988 Vol. II [MWSYM]): 1127-1130.

This paper surveys the characterization and sources of noise in digital systems. The principal methods of characterizing noise in digital systems, including jitter and bit-error rate specifications, are explained, and the manner in which these are produced is described. The various sources of noise generated within, and coupled into, digital circuits are briefly reviewed. Design guidelines for minimizing effects of noise are thus developed.

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