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noise in physical systems pdf Pink noise or $1/f$ noise is a signal or process with a frequency spectrum such that the power spectral density (energy or power per frequency interval) is inversely proportional to the frequency of the signal.

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A.1 Physical Noise Sources In communication systems noise can come from both internal and external sources Internal noise sources include "Active electronic devices such as amplifiers and oscillators" Passive circuitry Internal noise is primarily due to the random motion of charge carriers within devices and circuits

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CHAPTER 8: NOISE AND NOISE REDUCTION TECHNIQUES 1. NOISE SOURCES Noise can be characterized as any disturbance that tends to obscure a desired signal. Noise can ... or pink, noise. Pink noise is present in many physical systems but is particularly important in low-frequency systems. In electrical systems, pink

CHAPTER 8: NOISE AND NOISE REDUCTION TECHNIQUES

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