

Noise Definition

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Based on
Probability, Random Variables and Random Signal Principles,
P.Z. Peebles, Jr. and B. Shi

White Noise

N Gaussian random variables

Definition

$$S_{NN}(\omega) = \frac{N_0}{2}$$

$$R_{NN}(\tau) = \frac{N_0}{2} \delta(\tau)$$

