



- Describe 2 "black boxes" that generate $y(t)$ as output for $x(t)$ as input
- How can you recreate $x(t)$ from $y(t)$?

Geldemuth

Let $x(t)$ be a Gaussian WSS random process with mean 2 and PSD 100.

$$\text{Let } h(t) = \text{rect}\left(\frac{t}{20}\right)$$

$$\text{What is } Z = \int_0^{30} h(t) x(t) dt$$