

Measuring the Size of a Signal I

Working in groups of 2 or 3, develop a definition of the *size* of a signal $g(t)$. The definition should be quantitative, meaning that if I give you a specific signal, you could tell me the size of the signal, at least in principle.

Measuring the Size of a Signal II

Find the norm (size) of the signal

$$g(t) = [e^{-t} - e^{-2t}] \sigma(t)$$

My confidence that I have the correct answer is:

1. 100%
2. 80%
3. 60%
4. 40%
5. 20%
6. 0%

Measuring the Size of a Signal II

The norm of the signal

$$g(t) = [e^{-t} - e^{-2t}] \sigma(t)$$

is

$$\|g(t)\| = \frac{1}{\sqrt{12}}$$

My answer

1. Was completely correct
2. Was mostly correct, with one or two minor errors
3. Had many errors
4. Was completely incorrect