



Measure Properties

1 Why

We expect measure to have the common sense properties we stated when trying to define a notion of length for the real line. We built additivity into the definition. We can deduce monotonicity.

2 Definition

An extended-real-valued function sets is **monotone** if, given a first set contained in a second set, the measure of the first is less than the measure of the second.

3 Result

Proposition 1.

4 Definition