

Metric Space Functions

1 Why

We want to talk about functions from one set with a metric into another set with a metric.

2 Definition

A function from a first metric space to a second metric space is a function from the first set to the second set.

2.1 Notation

Let (A,d) and (B,d') We denote that f is a function from the first metric space to the second metric space by $f:(A,d)\to(B,d')$.