



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 $f : (A, d) \rightarrow (B, d')$.