⬖ Absolute Value

1 Why

We want a notion of distance between elements of the real line.

2 Definition

We define a function mapping a real number to its length from zero.

2.1 Notation

We denote the absolute value of a real number $a \in \mathsf{R}$ by $|a|$. Thus $|\cdot| : \mathsf{R} \to \mathsf{R}$ can be viewed as a real-valued function on the real numbers which is nonnegative.

Absolute Value

Length   Natural Differences

Natural Sums

Natural Numbers

Empty Set   Set Intersections   Set U

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