



SPACE NORM

Why

We generalize our notion of norm from the plane, \mathbf{R}^2 , the space, \mathbf{R}^3 .

Definition

The *norm* of a vector $x \in \mathbf{R}^3$ is

$$\|x\| = \sqrt{x_1^2 + x_2^2 + x_3^2}.$$

