



SPACE VECTOR ANGLES

Why

We generalize the notion of angles in the plane to angles in space.

Definition

The *angle* (*unsigned angle*) between $x \in \mathbf{R}^3$ and $y \in \mathbf{R}^3$ is the real number

$$\theta = \angle(x, y) = \cos^{-1} \frac{x^\top y}{\|x\| \|y\|}$$

