

Multivariable Calculus Day 3 - Dot Product

Take 2 vectors from xy-space

$$\text{Let } \vec{u} = \langle 1, 2 \rangle, \vec{v} = \langle 3, 4 \rangle$$

Define dot product $\vec{u} \cdot \vec{v}$

Th

$$\vec{a} \cdot \vec{b} = |\vec{a}| |\vec{b}| \cos \theta,$$

where $\theta = \angle$ between