

## **Dot Product**

The dot product or inner product of two vectors is a very useful operation in computer graphics and is applied in numerous ways

These notes are a short review of what the dot product is and some examples of how it gets used

## Definition







 $\frac{A_p}{A} = \cos\theta$  $N \cdot L = \|L\| \cos\theta$  $= \|L\| \frac{A_p}{A}$ 

