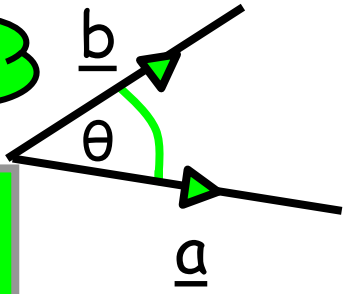
Tail to tail



$$\underline{a}\cdot(\underline{b}+\underline{c})=\underline{a}\cdot\underline{b}+\underline{a}\cdot\underline{c}$$

$$\cos\theta=\frac{\underline{a}\cdot\underline{b}}{|\underline{a}||\underline{b}|}$$

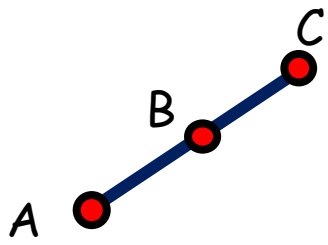
$$\underline{a}\cdot\underline{b}=\underline{b}\cdot\underline{a}$$

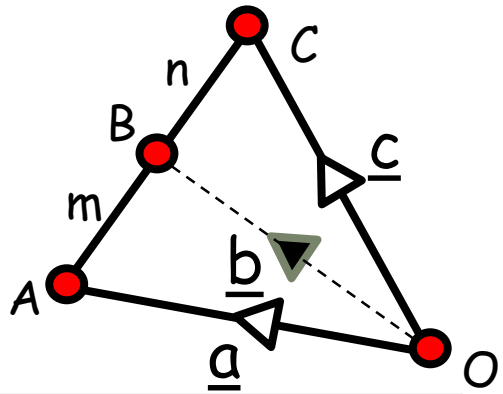
properties

Angle between two vectors

Vector Theory
Magnitude & Direction

Section formula





Points A, B and C are said to be Collinear if

$$\overrightarrow{AB}=k\overrightarrow{BC}$$

AND B is a point in common.

$$\underline{b}=\frac{n}{m+n}\underline{a}+\frac{m}{m+n}\underline{c}$$