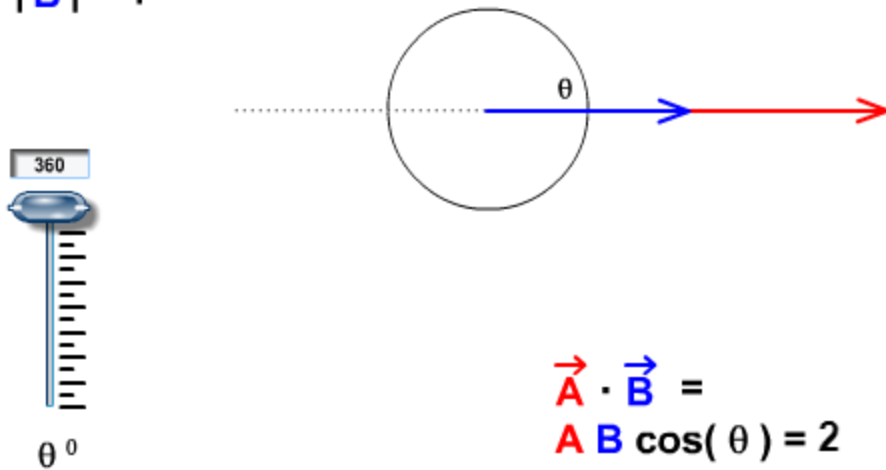


The Scalar or "Dot" Product of 2 Vectors

$$|\vec{A}| = 2$$

$$|\vec{B}| = 1$$



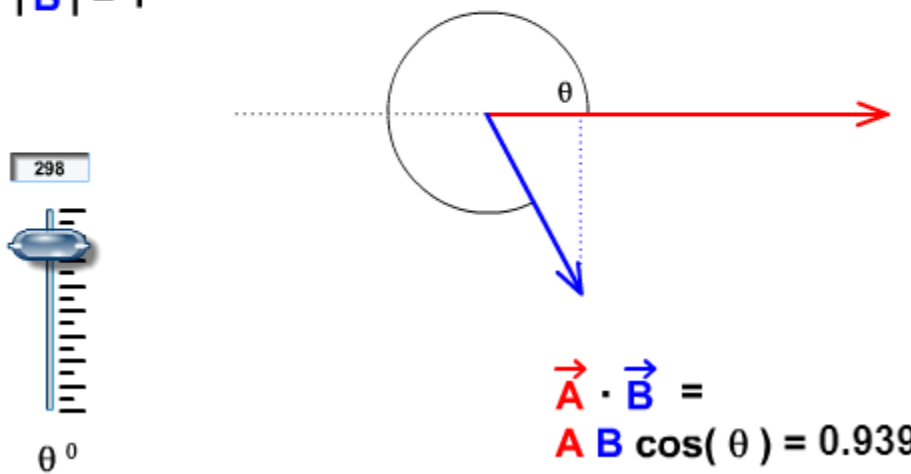
$$\vec{A} \cdot \vec{B} =$$
$$A B \cos(\theta) = 2$$

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The Scalar or "Dot" Product of 2 Vectors

$$|\vec{A}| = 2$$

$$|\vec{B}| = 1$$



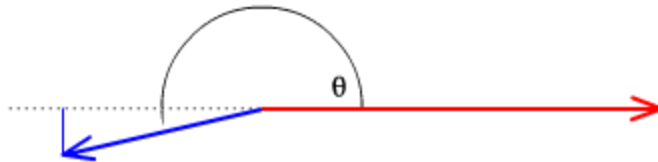
$$\vec{A} \cdot \vec{B} =$$
$$A B \cos(\theta) = 0.939$$

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The Scalar or "Dot" Product of 2 Vectors

$$|\vec{A}| = 2$$

$$|\vec{B}| = 1$$



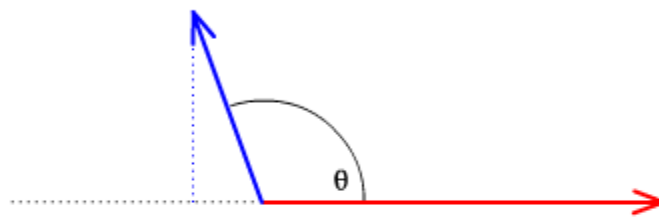
$$\vec{A} \cdot \vec{B} =$$
$$|\vec{A}| |\vec{B}| \cos(\theta) = -1.949$$

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The Scalar or "Dot" Product of 2 Vectors

$$|\vec{A}| = 2$$

$$|\vec{B}| = 1$$



$$\vec{A} \cdot \vec{B} =$$
$$|\vec{A}| |\vec{B}| \cos(\theta) = -0.684$$

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