

Calculate the magnitude of the acute angle formed by two straight lines using the direction vectors of the two straight lines meeting at a point

한 점에서 만나는 두 직선의 방향벡터를 이용하여  
두 직선이 이루는 예각의 크기 구하기

(Calculate the magnitude of the acute angle formed by two straight lines using the direction vectors of the two straight lines meeting at a point)

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▶ Start

▶ End

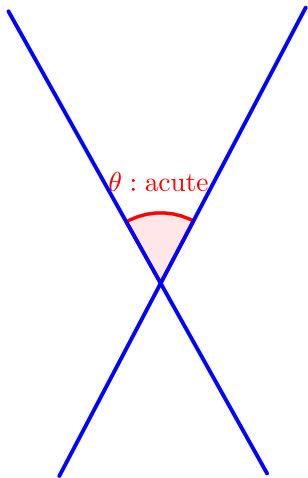




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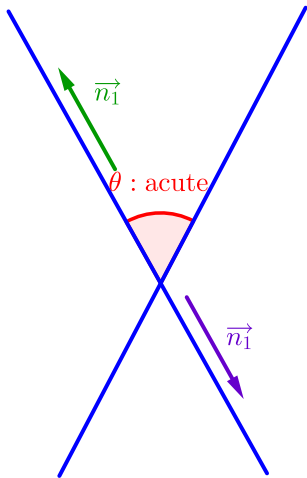
▶ End



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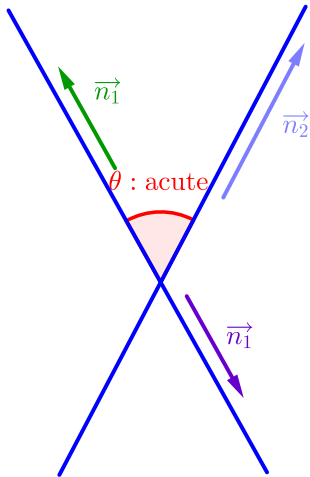
▶ End



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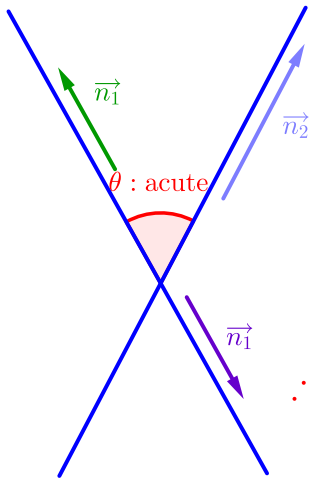




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$$\cos \theta = \frac{\vec{n}_1 \cdot \vec{n}_2}{|\vec{n}_1| \times |\vec{n}_2|}$$

$$\cos \theta = -\frac{\vec{n}_1 \cdot \vec{n}_2}{|\vec{n}_1| \times |\vec{n}_2|}$$

$$\therefore \cos \theta = \left| \frac{\vec{n}_1 \cdot \vec{n}_2}{|\vec{n}_1| \times |\vec{n}_2|} \right|$$

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Github:

<https://min7014.github.io/math20230330002.html>

Click or paste URL into the URL search bar,  
and you can see a picture moving.