

Dot Product & Cross Product

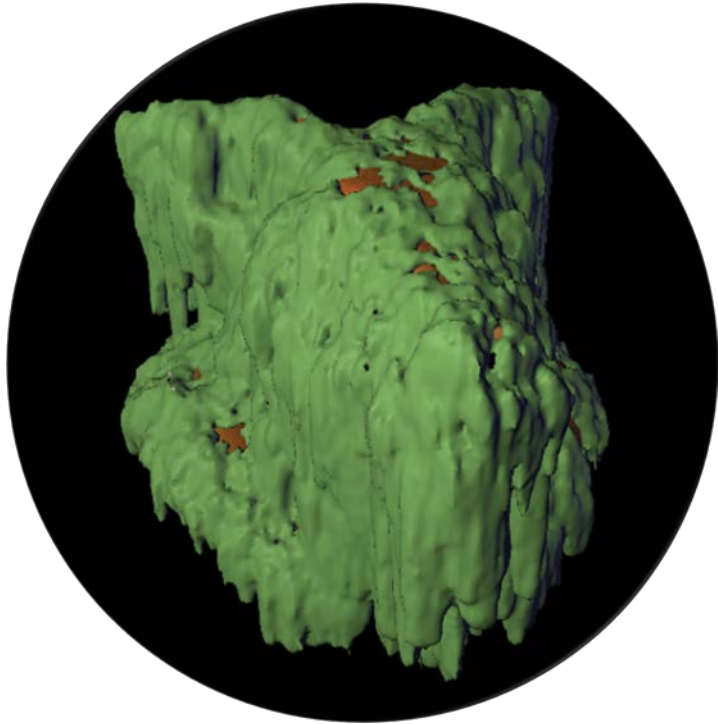


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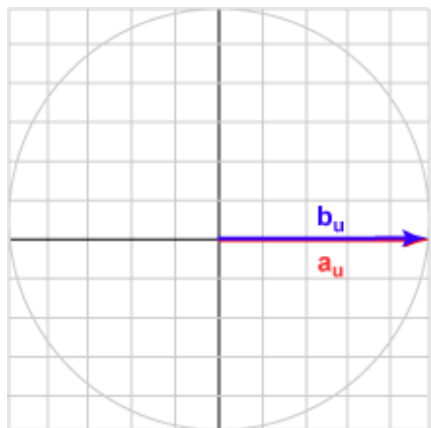


Dot Product

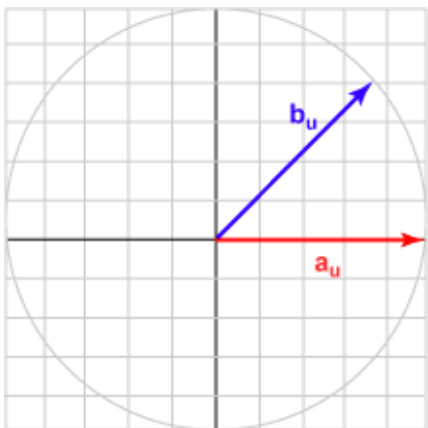
- Scalar Product
- Angle Between Two Normalized Vectors
- Cosine Value
- Returns Values Between 1 & -1

Angle:

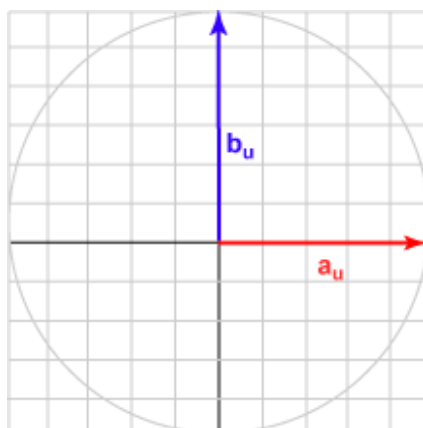
0



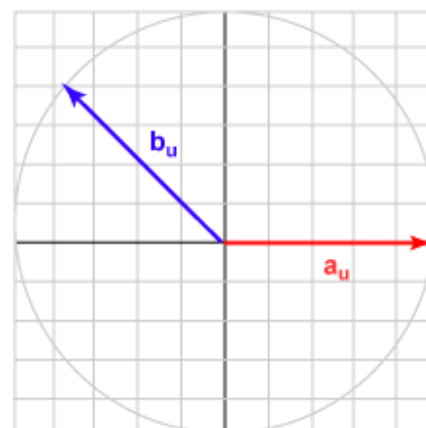
45



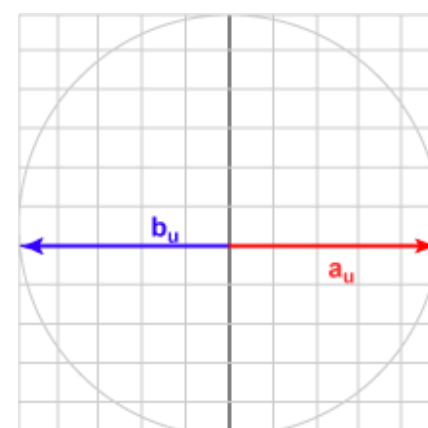
90



135



180



Cosine Value:

1

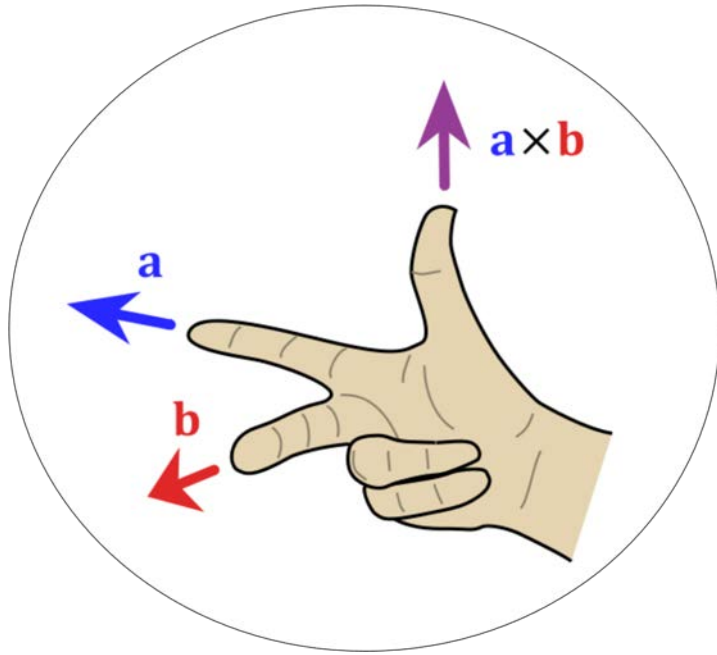
.707

0

-.707

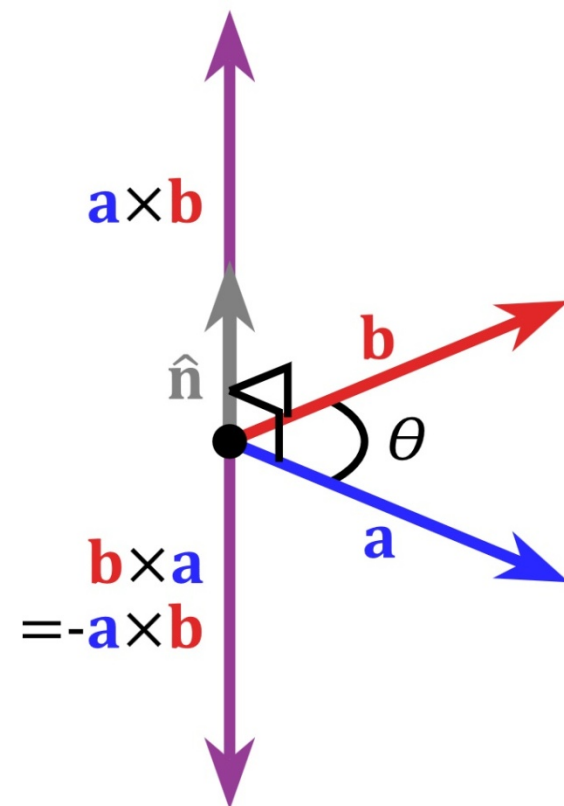
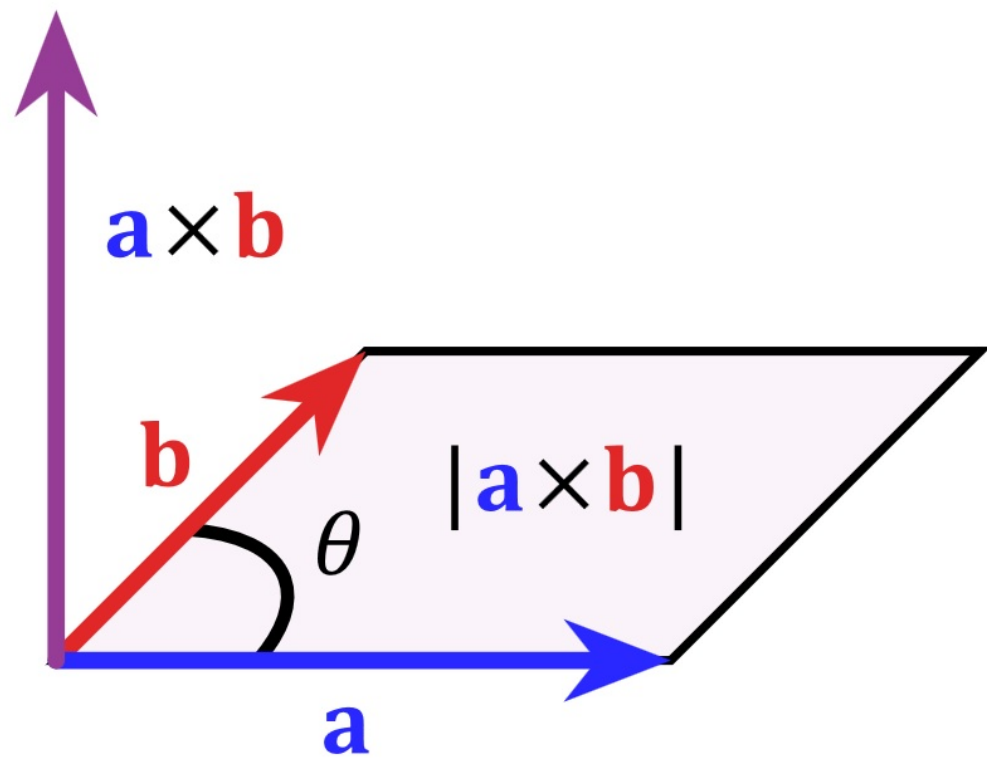
-1





Cross Product

- Vector Product
- Vector Perpendicular to Two Vectors
- Normal to a Plane
- Returns a Vector



Summary



- Dot Product (Scalar)
- Cross Product (Vector)

