## Scalar triple product

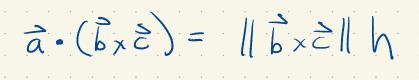
$$\vec{b} \times \vec{c} = \vec{d} / \vec{a}$$

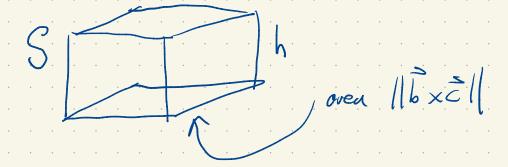
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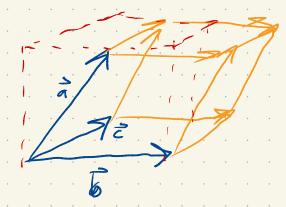
(but h can be negative if à is left hunded with respect to 
$$\overline{b}$$
,  $\overline{c}$ )





It is the volume of the solid S above, except it is negative if (b, E, a) is left handed.





Volone of pavallelepiped spoined by (a, b, E) is some as volume of S

Conclusion:

à · (b × è) is the volume

of the parallelepiped spanned by

à, b, è except it is

positive if (b, è, à) is visht-handed and

negative if (b, è, à) is left handed.