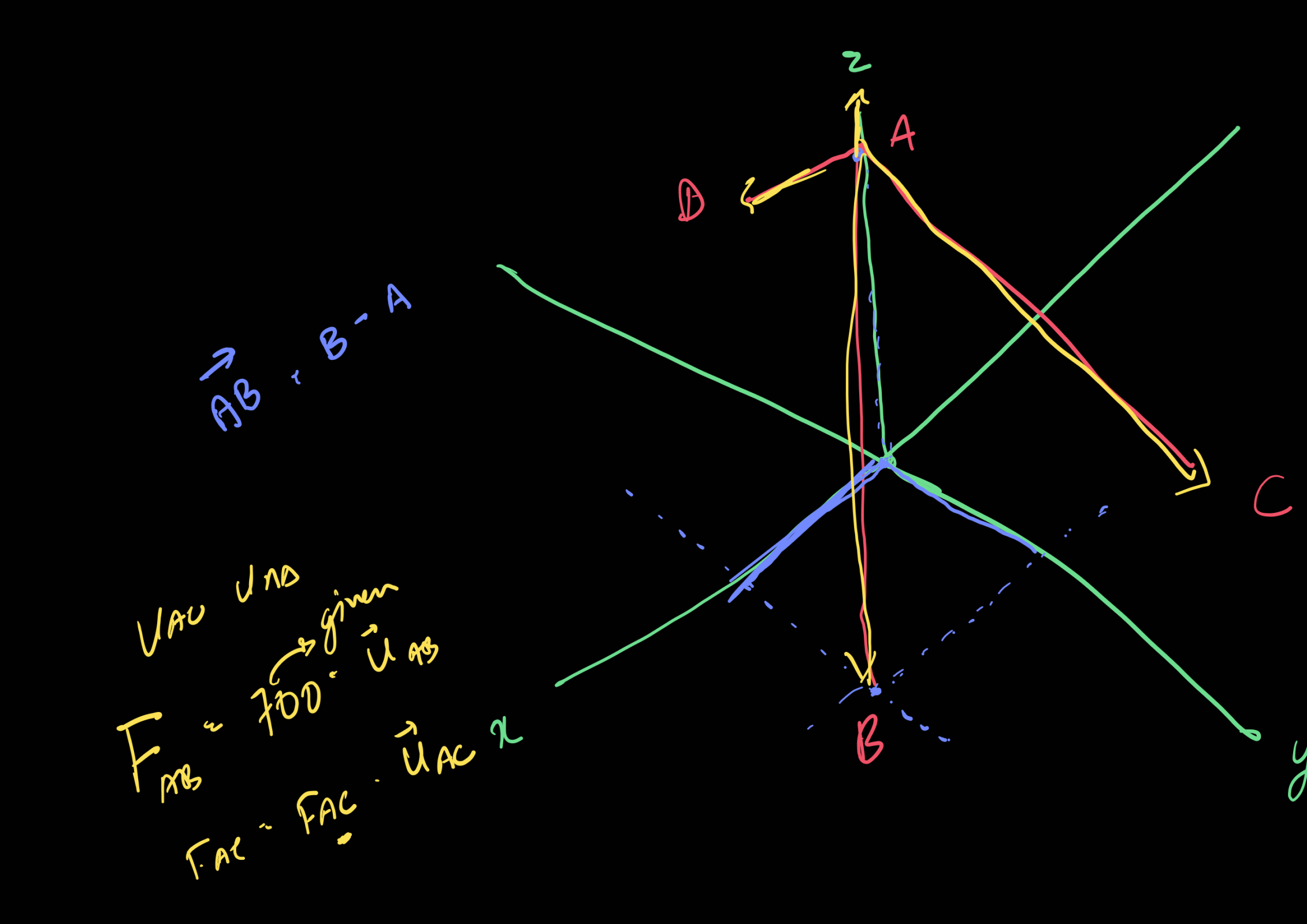
z
A
D
C
B
y
$\vec{AB} = B - A$
$\vec{u}_{AC}$ $\vec{u}_{AD}$
$F_{AB} = 700 \cdot \vec{u}_{AB}$
given
$F_{AC} = F_{AC} \cdot \vec{u}_{AC}$ x

B 2, 3, 0

A _ 0, 0, 6

2 3 −6

$\overrightarrow{AB} = B - A$

$\sqrt{x^2 + y^2 + z^2}$

$A = \frac{a}{b}\hat{i} + \frac{c}{d}\hat{j} + \frac{e}{f}\hat{k}$

$\vec{u}_{AB} = \frac{\overrightarrow{AB}}{\|\overrightarrow{AB}\|}$

B

AC AD