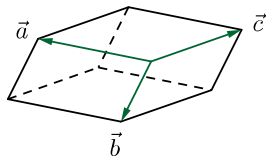## The Cross Product

Question

The figure shows a parallelepiped spanned by vectors $\vec{a}$, $\vec{b}$, and $\vec{c}$. Which of the following formulas computes its volume?

A. $|\vec{a} \cdot (\vec{b} \times \vec{c})|$

B. $|\vec{b} \cdot (\vec{c} \times \vec{a})|$

C. $|\vec{c} \cdot (\vec{b} \times \vec{a})|$

D. All of the above.

E. More than one but not all of the above.