· We wish to prove

$$\vec{A} \cdot (\vec{B} \times \vec{c}) = \vec{B} \cdot (\vec{c} \times \vec{A}) = \vec{c} \cdot (\vec{A} \times \vec{B})$$

$$= c^{2} \left[ij 2 \right] A^{i} B^{j} = c^{2} \left[2 ij \right] A^{i} B^{j} = \vec{c} \cdot (\vec{A} \times \vec{B})$$