Answer on question \#61623, Physics / Mechanics - Relativity

Question What is the unit vector $\hat{a}$ in the direction of a, where $\mathrm{a}=(200$, $400,600) \mathrm{m} / \mathrm{s} 2$ ?

## Solution

$$
\hat{a}=\frac{\vec{a}}{|\vec{a}|}=\frac{(200,400,-600)}{\sqrt{200^{2}+400^{2}+600^{2}}} \approx(0.267,0.535,-0.802)
$$

