Answer on Question \#44702, Physics, Mechanics | Kinematics | Dynamics Question:
The velocity of a particle is $v=5+2(a 1+a 2 t)$ where a1and $a 2$ are constants and $t$ is the time. What is the eccelaration oif the particle.
Answer:
Acceleration of the particle equals:

$$
\mathrm{a}=\mathrm{dv} / \mathrm{dt}
$$

where $v$ is velocity of the particle, $t$ is time.
Therefore:

$$
a=d / d t(5+2(a 1+a 2 t))=a 2
$$

Answer: a2

