

20-P-KM-BK-017

Date

$$\vec{a} = \begin{bmatrix} A \\ Bt \\ Ct^2 \end{bmatrix}$$

$$\vec{v} = \begin{bmatrix} At \\ \frac{1}{2}Bt^2 \\ \frac{1}{3}Ct^3 \end{bmatrix} + \vec{v}_0$$

$$\vec{x} = \begin{bmatrix} \frac{1}{2}At^2 \\ \frac{1}{6}Bt^3 \\ \frac{1}{12}Ct^4 \end{bmatrix} + \vec{v}_0 t + \vec{x}_0$$