$$\hat{GD} \vec{F} = \langle \sin(t), \cos(t), 1 \rangle$$

$$\hat{P} = m \vec{V} = 2 \vec{F} = 2 \langle \cos(t), -\sin(t), 0 \rangle$$

$$= 2 \sin(t), -2 \sin(t), 0 \rangle$$

$$= |\hat{C}| |\hat{S}| |\hat{S$$

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$$\overrightarrow{F} = \overrightarrow{F} \times \overrightarrow{F}$$

$$\overrightarrow{F} = \frac{d\overrightarrow{p}}{dt} = \frac{d\overrightarrow{v}}{dt}$$

$$\overrightarrow{F} = \frac{d\overrightarrow{p}}{dt} = \frac{d\overrightarrow{v}}{dt}$$

$$= \frac{d\overrightarrow{v}}{dt} = \frac{d\overrightarrow{v}}{dt}$$

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$$\overrightarrow{T} = \overrightarrow{F} \times \overrightarrow{F}$$

$$= \begin{vmatrix} \widehat{C} & \widehat{A} \\ S_{M}(t) & (os(t)) \\ -2s_{M}(t) & -2cos(t) \end{vmatrix} = (0+2cos(t))\widehat{C} - (0+2cos(t))\widehat{J} + (0)\widehat{A}$$

$$= (0+2cos(t))\widehat{C} - (0+2cos(t))\widehat{C} + (0)\widehat{A}$$

$$= (0+2cos(t))\widehat{C} - (0+2cos(t))\widehat{C} + (0)\widehat{C}$$

$$= (0+2cos(t))\widehat{C} - (0+2cos(t))\widehat{C}$$

$$= (0+2cos(t))\widehat{C} - (0)\widehat{C}$$

$$= (0+2cos(t))\widehat{C}$$

$$= (0+2cos(t))\widehat{C} - (0)\widehat{C}$$

$$= (0+2cos(t))\widehat{C}$$

$$= (0+$$

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