

$$-\frac{d((a\cdot\overrightarrow{z_0}+\lambda\cdot\overrightarrow{x_2})\wedge\dot{\theta}\cdot\overrightarrow{z_2})}{dt}\bigg|_{R_0}$$

$$(-E_2\times\ddot{\theta}\cdot\overrightarrow{x_2}+-E_2\times\dot{\theta}\cdot(\dot{\theta}\cdot\overrightarrow{z_2}\wedge\overrightarrow{x_2})+0\cdot\overrightarrow{y_2}+0\cdot(\dot{\theta}\cdot\overrightarrow{z_2}\wedge\overrightarrow{y_2})+C_2\times\ddot{\theta}\cdot\overrightarrow{z_2}+C_2\times\dot{\theta}\cdot(\dot{\theta}\cdot\overrightarrow{z_2}\wedge\overrightarrow{z_2})-((a\cdot\overrightarrow{z_0}+\lambda\cdot\overrightarrow{x_2})\wedge M_2\cdot\frac{d((a\cdot\overrightarrow{z_0}+\lambda\cdot\overrightarrow{x_2})\wedge\dot{\theta}\cdot\overrightarrow{z_2})}{dt}\bigg|_{R_0}))$$

$$(-E_2\times\ddot{\theta}\cdot\overrightarrow{x_2}-E_2\times\dot{\theta}\times\dot{\theta}\cdot\dot{y_2}+C_2\times\ddot{\theta}\cdot\overrightarrow{z_2}-a\times M_2\cdot((\overrightarrow{z_0}\wedge\lambda\times\dot{\theta}\times\dot{\theta}\times\dot{\theta}\cdot\overrightarrow{x_2})+(\overrightarrow{z_0}\wedge(a\cdot0+\lambda\cdot-\ddot{\theta}\cdot\overrightarrow{y_2})))-\lambda\times M_2\cdot((\overrightarrow{x_2}\wedge\lambda\times\dot{\theta}\times\dot{\theta}\times\dot{\theta}\cdot\overrightarrow{x_2})+(\overrightarrow{z_0}\wedge(a\cdot0+\lambda\cdot-\ddot{\theta}\cdot\overrightarrow{y_2})))-\lambda\times M_2\cdot((\overrightarrow{x_2}\wedge\lambda\times\dot{\theta}\times\dot{\theta}\times\dot{\theta}\cdot\overrightarrow{x_2})+(\overrightarrow{z_0}\wedge(a\cdot0+\lambda\cdot-\ddot{\theta}\cdot\overrightarrow{y_2})))$$

$$(-E_2\times\ddot{\theta}\cdot\overrightarrow{x_2}-E_2\times\dot{\theta}\times\dot{\theta}\cdot\dot{y_2}+C_2\times\ddot{\theta}\cdot\overrightarrow{z_2}-a\times M_2\cdot(\lambda\times\dot{\theta}\times\dot{\theta}\cdot\dot{y_2}+\lambda\times\ddot{\theta}\cdot\overrightarrow{x_2})-\lambda\times M_2\cdot-\lambda\times\ddot{\theta}\cdot\overrightarrow{z_2})$$

$$(-E_2\times\ddot{\theta}\cdot\overrightarrow{x_2}-E_2\times\dot{\theta}\times\dot{\theta}\cdot\dot{y_2}+C_2\times\ddot{\theta}\cdot\overrightarrow{z_2}-a\times M_2\cdot(\lambda\times\dot{\theta}\times\dot{\theta}\times\dot{\theta}\cdot\overrightarrow{y_2}+\lambda\times\ddot{\theta}\cdot\overrightarrow{x_2})+\lambda\times M_2\times\lambda\times\ddot{\theta}\cdot\overrightarrow{z_2})$$

$$(-E_2\times\ddot{\theta}\cdot\overrightarrow{x_2}-E_2\times\dot{\theta}\times\dot{\theta}\cdot\dot{y_2}+C_2\times\ddot{\theta}\cdot\overrightarrow{z_2}-a\times M_2\cdot(\lambda\times\dot{\theta}\times\dot{\theta}\times\dot{\theta}\cdot\overrightarrow{y_2}+\lambda\times\ddot{\theta}\cdot\overrightarrow{x_2})+\lambda\times M_2\times\lambda\times\ddot{\theta}\cdot\overrightarrow{z_2})$$

$$(-E_2\times\ddot{\theta}\cdot\overrightarrow{x_2}-E_2\times\dot{\theta}\times\dot{\theta}\cdot\dot{y_2}+C_2\times\ddot{\theta}\cdot\overrightarrow{z_2}-a\times M_2\cdot(\lambda\times\dot{\theta}\times\dot{\theta}\times\dot{\theta}\cdot\overrightarrow{y_2}+\lambda\times\ddot{\theta}\cdot\overrightarrow{x_2})+\lambda\times M_2\times\lambda\times\ddot{\theta}\cdot\overrightarrow{z_2})$$

$$(-(E_2\times\ddot{\theta}\cdot\overrightarrow{x_2}+E_2\times\dot{\theta}\cdot(\dot{\theta}\cdot\overrightarrow{z_2}\wedge\overrightarrow{x_2}))+(C_2\times\ddot{\theta}\cdot\overrightarrow{z_2}+C_2\times\dot{\theta}\cdot(\dot{\theta}\cdot\overrightarrow{z_2}\wedge\overrightarrow{z_2}))-((a\cdot\overrightarrow{z_0}+\lambda\cdot\overrightarrow{x_2})\wedge M_2\cdot\frac{d((a\cdot\overrightarrow{z_0}+\lambda\cdot\overrightarrow{x_2})\wedge\dot{\theta}\cdot\overrightarrow{z_2})}{dt}\bigg|_{R_0}))$$

$$(-(E_2\times\ddot{\theta}\cdot\overrightarrow{x_2}+E_2\times\dot{\theta}\times\dot{\theta}\cdot\overrightarrow{y_2})+(C_2\times\ddot{\theta}\cdot\overrightarrow{z_2}+\ddot{0})-(a\times M_2\cdot((\overrightarrow{z_0}\wedge\lambda\times\dot{\theta}\times\dot{\theta}\times\dot{\theta}\cdot\overrightarrow{x_2})+(\overrightarrow{z_0}\wedge(a\cdot(\ddot{0}+\dot{\theta}\cdot(\overrightarrow{z_0}\wedge\ddot{0}))+\lambda\cdot(-\ddot{\theta}\cdot\overrightarrow{y_2}+\dot{\theta}\cdot(\overrightarrow{x_2}\wedge\ddot{0}))))))$$

$$(-(E_2\times\ddot{\theta}\cdot\overrightarrow{x_2}+E_2\times\dot{\theta}\times\dot{\theta}\cdot\dot{\theta}\cdot\overrightarrow{x_2})+(\overrightarrow{x_2}\wedge(a\cdot(\ddot{0}+\dot{\theta}\cdot(\overrightarrow{z_0}\wedge\ddot{0}))+\lambda\cdot(-\ddot{\theta}\cdot\overrightarrow{y_2}+\dot{\theta}\cdot(\overrightarrow{x_2}\wedge\ddot{0})))))))$$

$$(-(E_2\times\ddot{\theta}\cdot\overrightarrow{x_2}+E_2\times\dot{\theta}\times\dot{\theta}\cdot\dot{\theta}\cdot\overrightarrow{y_2})+(C_2\times\ddot{\theta}\cdot\overrightarrow{z_2}+\ddot{0})-(a\times M_2\cdot(\lambda\times\dot{\theta}\times\dot{\theta}\cdot\dot{\theta}\cdot\overrightarrow{y_2}+(\ddot{0}+\lambda\times\ddot{\theta}\cdot\overrightarrow{x_2}))+\lambda\times M_2\cdot(\ddot{0}+(\ddot{0}-\lambda\times\ddot{\theta}\cdot\overrightarrow{z_2})))))$$

$$(-(E_2\times\ddot{\theta}\cdot\overrightarrow{x_2}+E_2\times\dot{\theta}\times\dot{\theta}\cdot\dot{y_2})+(C_2\times\ddot{\theta}\cdot\overrightarrow{z_2}+\ddot{0})-(a\times M_2\cdot(\lambda\times\dot{\theta}\times\dot{\theta}\cdot\dot{\theta}\cdot\overrightarrow{y_2}+(\ddot{0}+\lambda\times\ddot{\theta}\cdot\overrightarrow{x_2}))+\lambda\times M_2\cdot(\ddot{0}+(\ddot{0}-\lambda\times\ddot{\theta}\cdot\overrightarrow{z_2})))))$$

$$(-(E_2\times\ddot{\theta}\cdot\overrightarrow{x_2}+E_2\times\dot{\theta}\times\dot{\theta}\cdot\dot{y_2})+(C_2\times\ddot{\theta}\cdot\overrightarrow{z_2}+\ddot{0})-(a\times M_2\cdot(\lambda\times\dot{\theta}\times\dot{\theta}\cdot\dot{y_2}+(\ddot{0}+\lambda\times\ddot{\theta}\cdot\overrightarrow{x_2}))+\lambda\times M_2\cdot(\ddot{0}+(\ddot{0}-\lambda\times\ddot{\theta}\cdot\overrightarrow{z_2})))))$$

$$(-(E_2\times\ddot{\theta}\cdot\overrightarrow{x_2}+E_2\times\dot{\theta}\times\dot{\theta}\cdot\dot{y_2})+(C_2\times\ddot{\theta}\cdot\overrightarrow{z_2}+\ddot{0})-(a\times M_2\cdot(\lambda\times\dot{\theta}\times\dot{\theta}\cdot\dot{y_2}+(\ddot{0}+\lambda\times\ddot{\theta}\cdot\overrightarrow{x_2}))+\lambda\times M_2\cdot(\ddot{0}+(\ddot{0}-\lambda\times\ddot{\theta}\cdot\overrightarrow{z_2})))))$$

$$(-(E_2\times\ddot{\theta}\cdot\overrightarrow{x_2}+E_2\times\dot{\theta}\times\dot{\theta}\cdot\dot{y_2})+(C_2\times\ddot{\theta}\cdot\overrightarrow{z_2}+\ddot{0})-(a\times M_2\cdot(\lambda\times\dot{\theta}\times\dot{\theta}\cdot\dot{y_2}+(\ddot{0}+\lambda\times\ddot{\theta}\cdot\overrightarrow{x_2}))+\lambda\times M_2\cdot(\ddot{0}+(\ddot{0}-\lambda\times\ddot{\theta}\cdot\overrightarrow{z_2})))))$$

$$(-E_2\times\ddot{\theta}\cdot\overrightarrow{x_2}-E_2\times\dot{\theta}\cdot(\dot{\theta}\cdot\overrightarrow{z_2}\wedge\overrightarrow{x_2})+C_2\times\ddot{\theta}\cdot\overrightarrow{z_2}+C_2\times\dot{\theta}\cdot(\dot{\theta}\cdot\overrightarrow{z_2}\wedge\overrightarrow{z_2})-((a\cdot\overrightarrow{z_0}+\lambda\cdot\overrightarrow{x_2})\wedge M_2\cdot\frac{d((a\cdot\overrightarrow{z_0}+\lambda\cdot\overrightarrow{x_2})\wedge\dot{\theta}\cdot\overrightarrow{z_2})}{dt}\bigg|_{R_0}))$$

$$(-E_2\times\ddot{\theta}\cdot\overrightarrow{x_2}-E_2\times\dot{\theta}\times\dot{\theta}\cdot\overrightarrow{y_2}+C_2\times\ddot{\theta}\cdot\overrightarrow{z_2}+\vec{0}-(a\times M_2\cdot((\overrightarrow{z_0}\wedge\lambda\times\dot{\theta}\times\dot{\theta}\cdot\overrightarrow{x_2})+(\overrightarrow{z_0}\wedge(a\cdot(\vec{0}+\dot{\theta}\cdot(\overrightarrow{z_0}\wedge\vec{0}))+\lambda\cdot(-\ddot{\theta}\cdot\overrightarrow{y_2}+\dot{\theta}\cdot(\overrightarrow{x_2}\wedge\vec{0}))))))$$

$$(+\Delta\times M_2\cdot(((\overrightarrow{x_2}\wedge\lambda\times\dot{\theta}\times\dot{\theta}\times\dot{\theta}\cdot\overrightarrow{x_2})+(\overrightarrow{x_2}\wedge(a\cdot(\vec{0}+\dot{\theta}\cdot(\overrightarrow{z_0}\wedge\vec{0}))+\lambda\cdot(-\ddot{\theta}\cdot\overrightarrow{y_2}+\dot{\theta}\cdot(\overrightarrow{x_2}\wedge\vec{0})))))))))$$

$$(-E_2\times\ddot{\theta}\cdot\overrightarrow{x_2}-E_2\times\dot{\theta}\times\dot{\theta}\cdot\overrightarrow{y_2}+C_2\times\ddot{\theta}\cdot\overrightarrow{z_2}+\vec{0}-(a\times M_2\cdot(\lambda\times\dot{\theta}\times\dot{\theta}\times\dot{\theta}\cdot\overrightarrow{y_2}+(\vec{0}+\lambda\times\ddot{\theta}\cdot\overrightarrow{x_2}))+\lambda\times M_2\cdot(\vec{0}+(\vec{0}-\lambda\times\ddot{\theta}\cdot\overrightarrow{z_2})))))$$

$$(-E_2\times\ddot{\theta}\cdot\overrightarrow{x_2}-E_2\times\dot{\theta}\times\dot{\theta}\cdot\overrightarrow{y_2}+C_2\times\ddot{\theta}\cdot\overrightarrow{z_2}+\vec{0}-(a\times M_2\cdot(\lambda\times\dot{\theta}\times\dot{\theta}\times\dot{\theta}\cdot\overrightarrow{y_2}+(\vec{0}+\lambda\times\ddot{\theta}\cdot\overrightarrow{x_2}))+\lambda\times M_2\cdot(\vec{0}+(\vec{0}-\lambda\times\ddot{\theta}\cdot\overrightarrow{z_2})))))$$

$$(-E_2\times\ddot{\theta}\cdot\overrightarrow{x_2}-E_2\times\dot{\theta}\times\dot{\theta}\cdot\dot{y_2}+C_2\times\ddot{\theta}\cdot\overrightarrow{z_2}+\vec{0}-(a\times M_2\cdot(\lambda\times\dot{\theta}\times\dot{\theta}\times\dot{\theta}\cdot\overrightarrow{y_2}+(\vec{0}+\lambda\times\ddot{\theta}\cdot\overrightarrow{x_2}))+\lambda\times M_2\cdot(\vec{0}+(\vec{0}-\lambda\times\ddot{\theta}\cdot\overrightarrow{z_2})))))$$

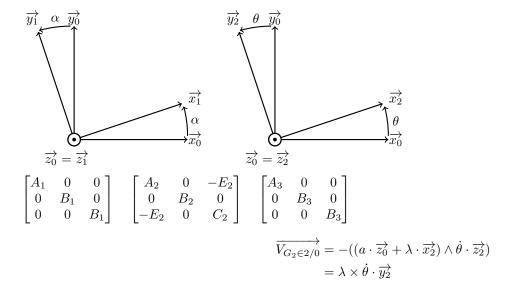
$$(-E_2\times\ddot{\theta}\cdot\overrightarrow{x_2}-E_2\times\dot{\theta}\times\dot{\theta}\cdot\dot{y_2}+C_2\times\ddot{\theta}\cdot\overrightarrow{z_2}+\vec{0}-(a\times M_2\cdot(\lambda\times\dot{\theta}\times\dot{\theta}\times\dot{\theta}\cdot\overrightarrow{y_2}+(\vec{0}+\lambda\times\ddot{\theta}\cdot\overrightarrow{x_2}))+\lambda\times M_2\cdot(\vec{0}+(\vec{0}-\lambda\times\ddot{\theta}\cdot\overrightarrow{z_2})))))$$

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 (-E_2 \times \ddot{\theta} \cdot \overrightarrow{x_2} - E_2 \times \dot{\theta} \cdot (\dot{\theta} \cdot \overrightarrow{z_2} \wedge \overrightarrow{x_2}) + C_2 \times \ddot{\theta} \cdot \overrightarrow{z_2} + C_2 \times \dot{\theta} \cdot (\dot{\theta} \cdot \overrightarrow{z_2} \wedge \overrightarrow{z_2}) - ((a \cdot \overrightarrow{z_0} + \lambda \cdot \overrightarrow{x_2}) \wedge M_2 \cdot \frac{d((a \cdot \overrightarrow{z_0} + \lambda \cdot \overrightarrow{x_2}) \wedge \dot{\theta} \cdot \overrightarrow{z_2})}{dt} \Big|_{R_0} )) 
 (-E_2 \times \ddot{\theta} \cdot \overrightarrow{x_2} - E_2 \times \dot{\theta} \times \dot{\theta} \cdot \dot{y_2} + C_2 \times \ddot{\theta} \cdot \overrightarrow{z_2} + \vec{0} - (a \times M_2 \cdot ((\overrightarrow{z_0} \wedge \lambda \times \dot{\theta} \times \dot{\theta} \times \overrightarrow{x_2}) + (\overrightarrow{z_0} \wedge (a \cdot (\vec{0} + \dot{\theta} \cdot (\overrightarrow{z_0} \wedge \vec{0})) + \lambda \cdot (-\ddot{\theta} \cdot \overrightarrow{y_2} + \dot{\theta} \cdot (\overrightarrow{x_2} \wedge \vec{0}))))))) 
 (-E_2 \times \ddot{\theta} \cdot \overrightarrow{x_2} - E_2 \times \dot{\theta} \times \dot{\theta} \cdot \dot{\theta} \cdot \overrightarrow{y_2} + C_2 \times \dot{\theta} \cdot \overrightarrow{z_2} + \vec{0} - (a \times M_2 \cdot (\lambda \times \dot{\theta} \times \dot{\theta} \times \dot{y_2} + (\vec{0} + \lambda \times \ddot{\theta} \times \ddot{y_2})))) 
 (-E_2 \times \ddot{\theta} \cdot \overrightarrow{x_2} - E_2 \times \dot{\theta} \times \dot{\theta} \cdot \dot{y_2} + C_2 \times \dot{\theta} \cdot \overrightarrow{z_2} + \vec{0} - (a \times M_2 \cdot (\lambda \times \dot{\theta} \times \dot{\theta} + \dot{y_2} + (\vec{0} + \lambda \times \ddot{\theta} \times \ddot{y_2}))) + \lambda \times M_2 \cdot (\vec{0} + (\vec{0} - \lambda \times \ddot{\theta} \times \ddot{z_2})))) 
 (-E_2 \times \ddot{\theta} \cdot \overrightarrow{x_2} - E_2 \times \dot{\theta} \times \dot{\theta} \cdot \dot{y_2} + C_2 \times \ddot{\theta} \cdot \vec{z_2} + \vec{0} - (a \times M_2 \cdot (\lambda \times \dot{\theta} \times \dot{\theta} + \dot{y_2} + (\vec{0} + \lambda \times \ddot{\theta} \times \ddot{x_2})) + \lambda \times M_2 \cdot (\vec{0} + (\vec{0} - \lambda \times \ddot{\theta} \times \ddot{z_2})))) 
 (-E_2 \times \ddot{\theta} \cdot \overrightarrow{x_2} - E_2 \times \dot{\theta} \times \dot{\theta} \cdot \dot{y_2} + C_2 \times \ddot{\theta} \cdot \vec{z_2} + \vec{0} - (a \times M_2 \cdot (\lambda \times \dot{\theta} \times \dot{\theta} + \dot{y_2} + (\vec{0} + \lambda \times \ddot{\theta} \times \ddot{x_2})) + \lambda \times M_2 \cdot (\vec{0} + (\vec{0} - \lambda \times \ddot{\theta} \times \ddot{z_2})))) 
 (-E_2 \times \ddot{\theta} \cdot \overrightarrow{x_2} - E_2 \times \dot{\theta} \times \dot{\theta} \cdot \dot{y_2} + C_2 \times \ddot{\theta} \cdot \vec{z_2} + \vec{0} - (a \times M_2 \cdot (\lambda \times \dot{\theta} \times \dot{\theta} + \dot{y_2} + (\vec{0} + \lambda \times \ddot{\theta} \times \ddot{x_2})) + \lambda \times M_2 \cdot (\vec{0} + (\vec{0} - \lambda \times \ddot{\theta} \times \ddot{z_2})))) 
 (-E_2 \times \ddot{\theta} \cdot \overrightarrow{x_2} - E_2 \times \dot{\theta} \times \dot{\theta} \cdot \dot{y_2} + C_2 \times \ddot{\theta} \cdot \vec{z_2} + \vec{0} - (a \times M_2 \cdot (\lambda \times \dot{\theta} \times \dot{\theta} \times \dot{y_2}) + (\vec{0} + \lambda \times \ddot{x_2})) \wedge M_2 \cdot \frac{d((a \times \ddot{x_2} + \lambda \times \ddot{x_2}) \wedge \dot{\theta} \cdot \vec{z_2})}{dt} \Big|_{R_0} 
 (-E_2 \times \ddot{\theta} \cdot \overrightarrow{x_2} - E_2 \times \dot{\theta} \times \dot{\theta} \cdot \dot{y_2} + C_2 \times \ddot{\theta} \cdot \vec{z_2} - a \times M_2 \cdot ((\dot{x} \wedge \dot{\lambda} \times \dot{\theta} \times \dot{y_2}) - ((a \cdot \vec{x_2} + \lambda \times \ddot{x_2})) \wedge M_2 \cdot \frac{d((a \times \ddot{x_2} + \lambda \times \ddot{x_2}) \wedge \dot{\theta} \cdot \vec{x_2})}{dt} \Big|_{R_0} 
 (-E_2 \times \ddot{\theta} \cdot \overrightarrow{x_2} - E_2 \times \dot{\theta} \times \dot{\theta} \cdot \dot{y_2} + C_2 \times \ddot{\theta} \cdot \vec{z_2} - a \times M_2 \cdot ((\dot{\lambda} \wedge \dot{\lambda} \times \dot{\theta} \times \dot{y_2}) - ((a \cdot \vec{\lambda} \wedge \dot{\lambda} + \dot{\lambda} \times \ddot{y_2})) - \lambda \times M_2 \cdot ((
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$$\overrightarrow{\delta_{O\in 2/0}} = (-E_2 \times \ddot{\theta} \cdot \overrightarrow{x_2} - E_2 \times \dot{\theta} \cdot (\dot{\theta} \cdot \overrightarrow{z_2} \wedge \overrightarrow{x_2}) + C_2 \times \ddot{\theta} \cdot \overrightarrow{z_2} + C_2 \times \dot{\theta} \cdot (\dot{\theta} \cdot \overrightarrow{z_2} \wedge \overrightarrow{z_2}) - ((a \cdot \overrightarrow{z_0} + \lambda \cdot \overrightarrow{x_2}) \wedge M_2 \cdot \frac{d((a \cdot \overrightarrow{z_0} + \lambda \cdot \overrightarrow{x_2}) \wedge \dot{\theta} \cdot \overrightarrow{z_2})}{dt} \Big|$$

$$= (-E_2 \times \ddot{\theta} \cdot \overrightarrow{x_2} - E_2 \times \dot{\theta} \times \dot{\theta} \cdot \overrightarrow{y_2} + C_2 \times \ddot{\theta} \cdot \overrightarrow{z_2} - a \times M_2 \cdot ((\overrightarrow{z_0} \wedge \lambda \times \dot{\theta} \times \dot{\theta} \cdot \overrightarrow{x_2}) - (\overrightarrow{z_0} \wedge \lambda \times \ddot{\theta} \cdot \overrightarrow{y_2})) - \lambda \times M_2 \cdot ((\overrightarrow{x_2} \wedge \lambda \times \dot{\theta} \times \dot{\theta} \cdot \overrightarrow{z_2}) - (\overrightarrow{z_0} \wedge \lambda \times \ddot{\theta} \cdot \overrightarrow{y_2}) + \lambda \times M_2 \times \lambda \times \ddot{\theta} \cdot \overrightarrow{z_2})$$

$$= (-E_2 \times \ddot{\theta} \cdot \overrightarrow{x_2} - E_2 \times \dot{\theta} \times \dot{\theta} \cdot \overrightarrow{y_2} + C_2 \times \ddot{\theta} \cdot \overrightarrow{z_2} - a \times M_2 \cdot ((\lambda \times \dot{\theta} \times \dot{\theta} \cdot \overrightarrow{y_2} + \lambda \times \ddot{\theta} \cdot \overrightarrow{x_2}) + \lambda \times M_2 \times \lambda \times \ddot{\theta} \cdot \overrightarrow{z_2})$$



$$\begin{split} \overrightarrow{\Gamma_{G_2 \in 2/0}} &= \left. \frac{d\lambda \times \dot{\theta} \cdot \overrightarrow{y_2}}{dt} \right|_{R_0} \\ &= (\lambda \times \ddot{\theta} \cdot \overrightarrow{y_2} + \lambda \times \dot{\theta} \cdot (\dot{\theta} \cdot \overrightarrow{z_2} \wedge \overrightarrow{y_2})) \\ &= (\lambda \times \ddot{\theta} \cdot \overrightarrow{y_2} - \lambda \times \dot{\theta} \times \dot{\theta} \cdot \overrightarrow{x_2}) \end{split}$$

$$\overrightarrow{\sigma_{O \in 2/0}} = (-E_2 \times \dot{\theta} \cdot \overrightarrow{x_2} + C_2 \times \dot{\theta} \cdot \overrightarrow{z_2} - ((a \cdot \overrightarrow{z_0} + \lambda \cdot \overrightarrow{x_2}) \wedge M_2 \cdot ((a \cdot \overrightarrow{z_0} + \lambda \cdot \overrightarrow{x_2}) \wedge \dot{\theta} \cdot \overrightarrow{z_2})))$$

$$= (-E_2 \times \dot{\theta} \cdot \overrightarrow{x_2} + C_2 \times \dot{\theta} \cdot \overrightarrow{z_2} - a \times M_2 \times \lambda \times \dot{\theta} \cdot \overrightarrow{x_2} + \lambda \times M_2 \times \lambda \times \dot{\theta} \cdot \overrightarrow{z_2})$$

$$\overrightarrow{\sigma_{G_2 \in 2/0}} = (-E_2 \times \dot{\theta} \cdot \overrightarrow{x_2} + C_2 \times \dot{\theta} \cdot \overrightarrow{z_2})$$

$$\overrightarrow{\delta_{O\in 2/0}} = \left(\frac{d(-E_2 \times \dot{\theta} \cdot \overrightarrow{x_2} + C_2 \times \dot{\theta} \cdot \overrightarrow{z_2})}{dt} \right|_{R_0} + \left((a \cdot \overrightarrow{z_0} + \lambda \cdot \overrightarrow{x_2}) \wedge M_2 \cdot (\lambda \times \ddot{\theta} \cdot \overrightarrow{y_2} - \lambda \times \dot{\theta} \times \dot{\theta} \cdot \overrightarrow{x_2})\right))$$

$$= (-E_2 \times \ddot{\theta} \cdot \overrightarrow{x_2} - E_2 \times \dot{\theta} \cdot (\dot{\theta} \cdot \overrightarrow{z_2} \wedge \overrightarrow{x_2}) + C_2 \times \ddot{\theta} \cdot \overrightarrow{z_2} + C_2 \times \dot{\theta} \cdot (\dot{\theta} \cdot \overrightarrow{z_2} \wedge \overrightarrow{z_2}) + a \times M_2 \cdot (-\lambda \times \ddot{\theta} \cdot \overrightarrow{x_2} - \lambda \times \dot{\theta} \times \dot{\theta} \cdot \overrightarrow{y_2}) + \lambda \times M_2 \times d_2 \times d_$$