Planning hw8

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$$(t \text{ Model})$$
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$$0 \quad \alpha_1 = \alpha_0 + j_0 T$$

$$\alpha_2 = \alpha_1 + j_1 T = \alpha_0 + j_0 T + j_1 T$$

$$\alpha_3 = \alpha_1 + j_2 T = \alpha_0 + j_0 T + j_1 T + j_2 T$$

$$\begin{array}{lll}
\nabla_{i} &= V_{0} + \alpha_{0}T + \frac{1}{2}J_{0}T^{2} \\
V_{i} &= V_{i} + \alpha_{i}T + \frac{1}{2}J_{i}T^{2} \\
&= V_{i} + (\alpha_{0} + J_{i}, T)T + \frac{1}{2}J_{i}T^{2} \\
&= V_{0} + \alpha_{0}T + \frac{1}{2}J_{0}T^{2} + \alpha_{0}T + J_{0}T^{2} + \frac{1}{2}J_{i}T^{2} \\
&= V_{0} + 2\alpha_{0}T + (\frac{1}{2} + I)J_{0}T^{2} + \frac{1}{2}J_{i}T^{2}
\end{array}$$

$$V_3 = V_1 + \alpha_2 T + \frac{1}{2} j_2 T^2$$

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$$V_4 = V_1 + \alpha_2 T + \frac{1}{2} j_2 T^2$$

$$V_5 = V_1 + \alpha_2 T + \frac{1}{2} j_2 T^2$$

$$V_{1} = \begin{pmatrix} \frac{1}{2}T^{2} & 0 \\ \frac{1}{2}T^{2} & \frac{1}{2}T^{2} \\ \frac{1}{2}T^{2} & \frac{1}{2}T^{2} \\ \frac{1}{2}T^{2} & \frac{1}{2}T^{2} & \frac{1}{2}T^{2} & \frac{1}{2}T^{2} \\ \frac{1}{$$

$$P_{1} = P_{0} + V_{0}T + \frac{1}{2}a_{0}T + \frac{1}{4}J_{0}T^{2}$$

$$P_{2} = P_{1} + V_{1}T + \frac{1}{4}a_{0}T^{2} + \frac{1}{4}J_{1}T^{3}$$

$$V_{1} + c_{0}T + \frac{1}{4}i_{0}T^{2} + \frac{1}{4}J_{1}T^{3}$$

$$V_{2} = V_{1} + V_{1}T + \frac{1}{4}a_{0}T^{2} + \frac{1}{4}J_{1}T^{3}$$

$$V_{3} = V_{1} + V_{1}T + \frac{1}{4}a_{0}T^{2} + \frac{1}{4}J_{1}T^{3}$$

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$$V_{3} = V_{2} + V_{3}T + \frac{1}{4}J_{2}T^{3} + \frac{1}{4}J_{2}T^{3}$$

$$V_{3} = V_{3} + V_{3}T^{3} + \frac{1}{4}J_{3}T^{3}$$

 $A = \exp(A) = \begin{cases} 1 & T & \frac{1}{2}T^{2} & \frac{1}{5}T^{2} \\ 0 & 1 & T & \frac{1}{2}T^{2} \\ 0 & 0 & 1 & T \\ 0 & 0 & 0 & 1 \end{cases}$

$$|| \vec{l} = || \vec{l} + \vec$$