$$k^{2} = \begin{bmatrix} -k_{Y}^{2} - k_{2}^{2} & K_{x} K_{y} & K_{x} K_{z} \\ K_{x} K_{y} & -k_{x}^{2} - k_{z}^{2} & K_{y} K_{z} \\ K_{x} K_{z} & K_{y} K_{z} & -K_{x}^{2} - K_{y}^{2} \end{bmatrix}$$

$$(e^{K\theta})_{1/2} = 0 + (-K_2)\theta + \frac{1}{2!}(K_xK_y)\theta^2 + \frac{1}{3!}K_2\theta^3 + \cdots$$

$$\left(e^{K\Theta}\right)_{l,2} = -K_2S\Theta + K_XK_YV\Theta$$

$$R_K(\theta) = \begin{bmatrix} k_x k_x v\theta + c\theta & k_x k_y v\theta - k_z s\theta & k_x k_z v\theta + k_y s\theta \\ k_x k_y v\theta + k_z s\theta & k_y k_y v\theta + c\theta & k_y k_z v\theta - k_x s\theta \\ k_x k_z v\theta - k_y s\theta & k_y k_z v\theta + k_x s\theta & k_z k_z v\theta + c\theta \end{bmatrix},$$