LIFT: L= } PCLAU sen(a) DRAG: D= (c,+ 2:x2). U2 D = (2+c.22).42 V = (Vcos(8); rsen(8); h); F = (L' sen(8); -L' wo(8) D) T

$$\Gamma = (\Gamma \cos(\delta); \Gamma \sin(\delta); \Gamma)^{T}$$

$$\Gamma = (\Gamma \sin(\delta); -\Gamma \cos(\delta); \Gamma)^{T}$$

$$\frac{1}{(a+c\cdot\alpha^2)} = \frac{1}{(a+c\cdot\alpha^2)} = \frac{1}{(a+c\cdot$$

$$\frac{1}{\sqrt{c}} = \begin{pmatrix} run(\delta) \\ -rcor(\delta) \end{pmatrix} \cdot \lambda + \begin{pmatrix} hcor(\delta) \\ hrun(\delta) \\ -r \end{pmatrix} \cdot b \cdot \alpha + \begin{pmatrix} run(\delta) \\ -rcor(\delta) \end{pmatrix} \cdot c \cdot \alpha^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \end{pmatrix} \cdot \partial_{1} + \begin{pmatrix} 0 \\ 0 \\ -1 \end{pmatrix} \cdot \partial_{1} + \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot \partial_{1} + \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot Z(0) = \begin{pmatrix} 0 \\ -1 \\ 0 \end{pmatrix} \cdot C \cdot \alpha_{1}^{2}$$

$$\frac{1}{\sqrt{2}} \cdot$$

$$Z = \begin{pmatrix} h b \cdot (\alpha_1 - \frac{1}{2} \alpha_2 - \frac{1}{2} \alpha_3) \\ R b b \cdot (\alpha_2 - \alpha_3) \end{pmatrix} + \begin{pmatrix} \sqrt{3} + c \cdot (\alpha_2^2 - \alpha_3^2) \\ \sqrt{3} + \alpha_3 \end{pmatrix}$$

$$\frac{1}{2} = \begin{pmatrix} h b \cdot (\alpha_1 - \frac{1}{2} \alpha_2 - \frac{1}{2} \alpha_3) \\ \frac{1}{2} \cdot h b \cdot (\alpha_2 - \alpha_3) \\ -r b \cdot (\alpha_1 + \alpha_2 + \alpha_3) \end{pmatrix} + \begin{pmatrix} \frac{12}{2} \cdot r \cdot c \cdot (\alpha_2^2 - \alpha_3^2) \\ -r c \cdot (\alpha_1^2 - \frac{1}{2} \alpha_2^2 - \frac{1}{2} \alpha_3^2) \end{pmatrix}$$

$$\frac{1}{\sqrt{2}} \cdot Z = b \cdot \begin{pmatrix} h & -\frac{1}{2}h & -\frac{1}{2}h \\ 0 & \frac{1}{2}h & -\frac{1}{2}h \\ -r & -r & -r \end{pmatrix} \cdot \begin{pmatrix} \alpha_1 \\ \alpha_2 \\ \alpha_3 \end{pmatrix} + c \cdot \begin{pmatrix} \mathbf{D} & \frac{13}{2}r & -\frac{17}{2}r \\ -r & +\frac{1}{2}r & +\frac{1}{2}r \\ 0 & 0 & 0 \end{pmatrix} \cdot \begin{pmatrix} \alpha_1 \\ \alpha_2^2 \end{pmatrix}$$