









## Dynamic pressure is constant













![](_page_5_Figure_1.jpeg)

![](_page_5_Figure_2.jpeg)

![](_page_6_Figure_1.jpeg)

![](_page_6_Picture_2.jpeg)

![](_page_7_Figure_1.jpeg)

![](_page_7_Figure_2.jpeg)

![](_page_8_Figure_1.jpeg)

![](_page_8_Figure_2.jpeg)

![](_page_9_Picture_1.jpeg)

![](_page_9_Picture_2.jpeg)

![](_page_10_Figure_1.jpeg)

![](_page_10_Figure_2.jpeg)

![](_page_11_Figure_1.jpeg)

![](_page_11_Figure_2.jpeg)

![](_page_12_Figure_1.jpeg)

![](_page_12_Figure_2.jpeg)

![](_page_13_Figure_1.jpeg)

![](_page_13_Figure_2.jpeg)

![](_page_14_Figure_1.jpeg)

![](_page_14_Picture_2.jpeg)

![](_page_15_Figure_1.jpeg)

![](_page_15_Figure_2.jpeg)

![](_page_16_Picture_1.jpeg)

![](_page_16_Figure_2.jpeg)

![](_page_17_Figure_1.jpeg)

![](_page_17_Picture_2.jpeg)

![](_page_18_Figure_1.jpeg)

![](_page_18_Figure_2.jpeg)

![](_page_19_Figure_1.jpeg)

Coefficients in first rows of G and L

$$G_{11} = \frac{1}{m} \left[ C_{Y_{\delta A}} \frac{\rho_N V_N^2}{2} S \right] \triangleq Y_{\delta A}$$

$$G_{12} = \frac{1}{m} \left[ C_{Y_{\delta R}} \frac{\rho_N V_N^2}{2} S \right] \triangleq Y_{\delta R}$$

$$L_{11} = -F_{11}$$

$$L_{12} = -F_{12}$$

$$S_{12} = -F_{12}$$

![](_page_19_Figure_4.jpeg)

![](_page_20_Figure_1.jpeg)

![](_page_20_Figure_2.jpeg)

![](_page_21_Figure_1.jpeg)

![](_page_21_Figure_2.jpeg)

![](_page_22_Figure_1.jpeg)

![](_page_22_Figure_2.jpeg)

![](_page_23_Figure_1.jpeg)

![](_page_23_Figure_2.jpeg)