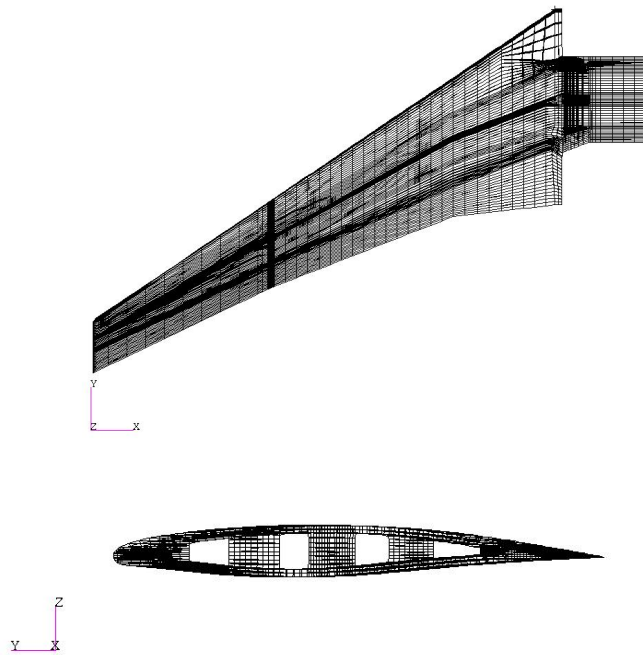


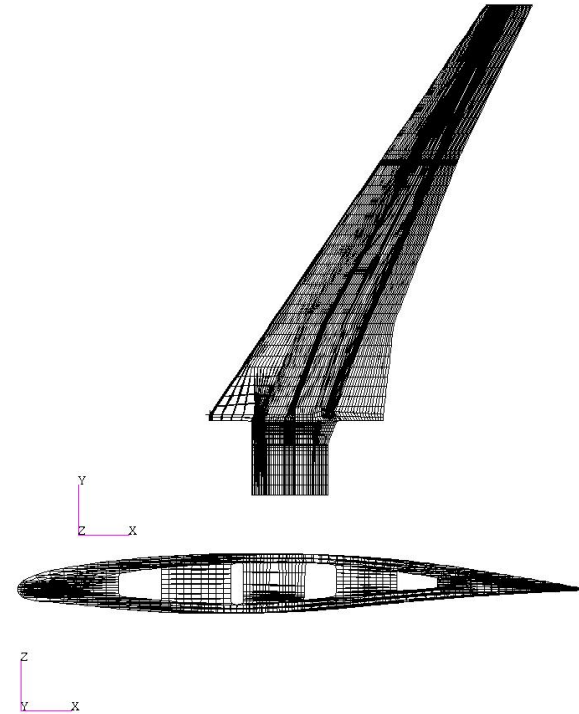
# Structured FEM

As provided on HIRENASD website



X goes in direction of outboard to inboard  
Y goes into the flow  
Z is from bottom surface to upper surface  
Dimensions: millimeters  
Note: left wing

As modified

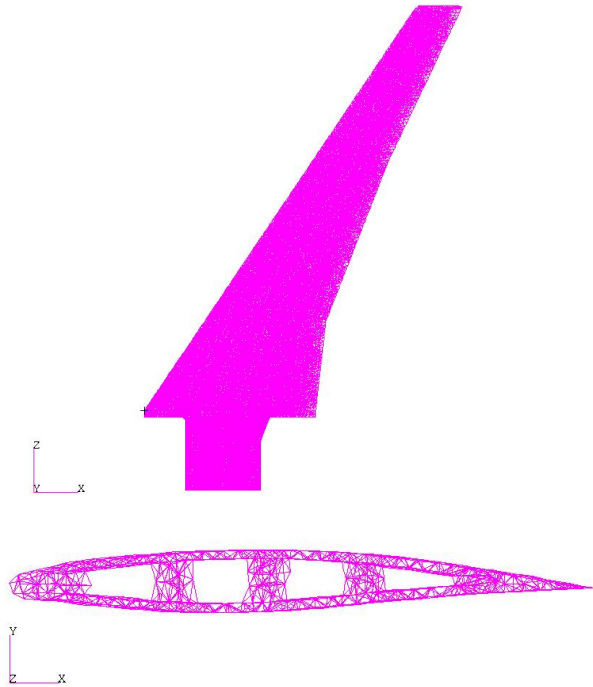


X in flow direction  
Y inboard to outboard  
Z is from bottom surface to upper surface  
Dimensions: meters  
Note: right wing

$$X_{\text{new}} = -Y \quad Y_{\text{new}} = -X \quad Z_{\text{new}} = Z$$

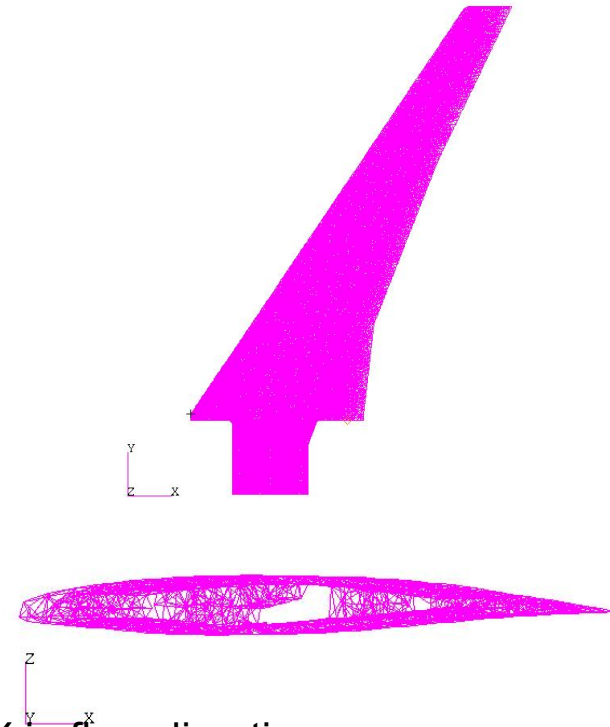
# Unstructured FEM

As provided on HIRENASD website



X goes in direction of flow  
Y is from bottom surface to upper surface  
Z is outboard  
Dimensions: meters  
Note: Right wing

As modified



X in flow direction  
Y inboard to outboard  
Z is from bottom surface to upper surface  
Dimensions: meters  
Note: right wing

$X_{new} = -Y$     $Y_{new} = -X$     $Z_{new} = Z$