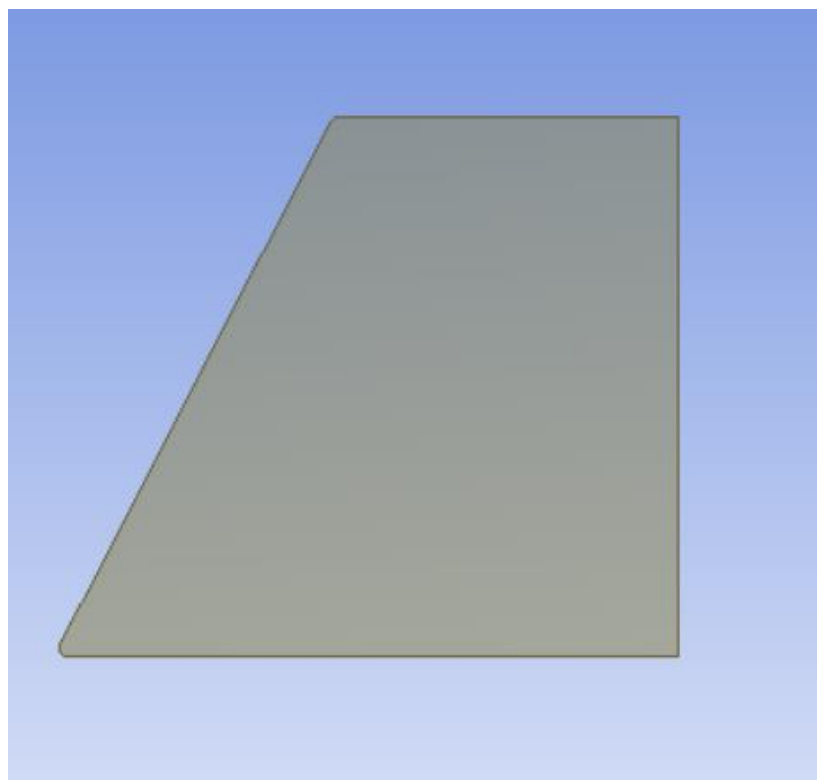
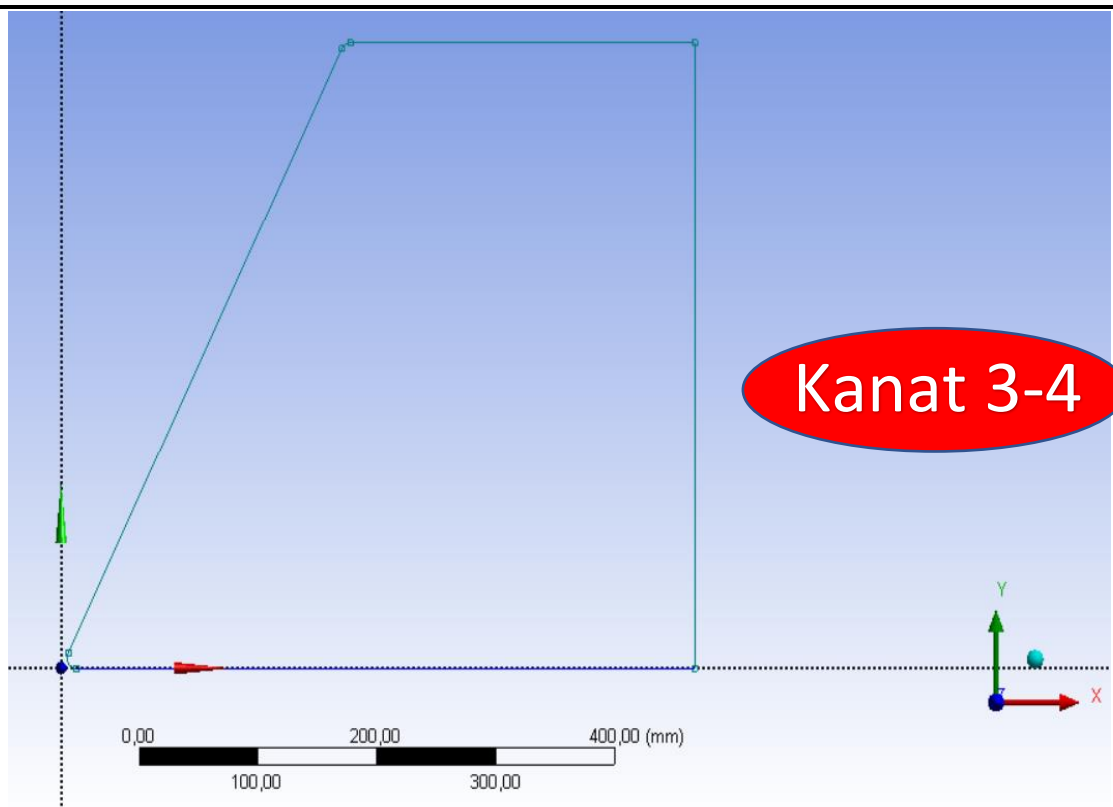


Details of "Kanat1"		Details of "Kanat2"	
Properties		Properties	
<input type="checkbox"/> Volume	3,7358e+006 mm ³	<input type="checkbox"/> Volume	3,7452e+006 mm ³
<input type="checkbox"/> Mass	29,326 kg	<input type="checkbox"/> Mass	29,399 kg
Centroid X	287,91 mm	Centroid X	287,76 mm
Centroid Y	495,19 mm	Centroid Y	495,12 mm
Centroid Z	-1498,8 mm	Centroid Z	2751,3 mm
<input type="checkbox"/> Moment of Inertia Ip1	2,0746e+007 kg·mm ²	<input type="checkbox"/> Moment of Inertia Ip1	2,0781e+007 kg·mm ²
<input type="checkbox"/> Moment of Inertia Ip2	2,1514e+007 kg·mm ²	<input type="checkbox"/> Moment of Inertia Ip2	2,155e+007 kg·mm ²
<input type="checkbox"/> Moment of Inertia Ip3	8,6607e+005 kg·mm ²	<input type="checkbox"/> Moment of Inertia Ip3	8,6656e+005 kg·mm ²



Details of "Kanat3"

Properties

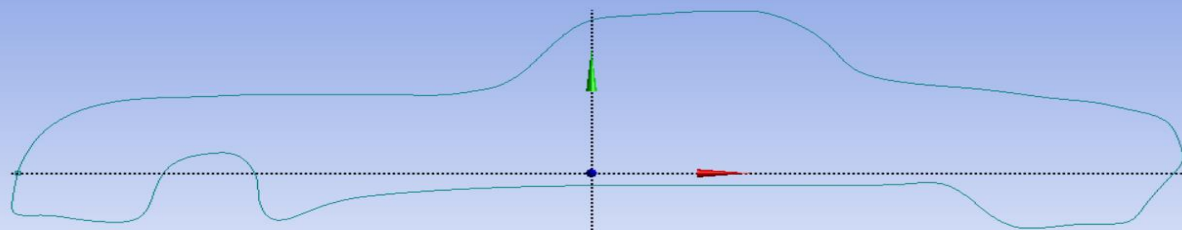
<input type="checkbox"/> Volume	1,57e+006 mm ³
<input type="checkbox"/> Mass	12,325 kg
Centroid X	1220,6 mm
Centroid Y	464,35 mm
Centroid Z	1254, mm
<input type="checkbox"/> Moment of Inertia Ip1	2,718e+005 kg·mm ²
<input type="checkbox"/> Moment of Inertia Ip2	1,5741e+005 kg·mm ²
<input type="checkbox"/> Moment of Inertia Ip3	4,2908e+005 kg·mm ²

Details of "Kanat4"

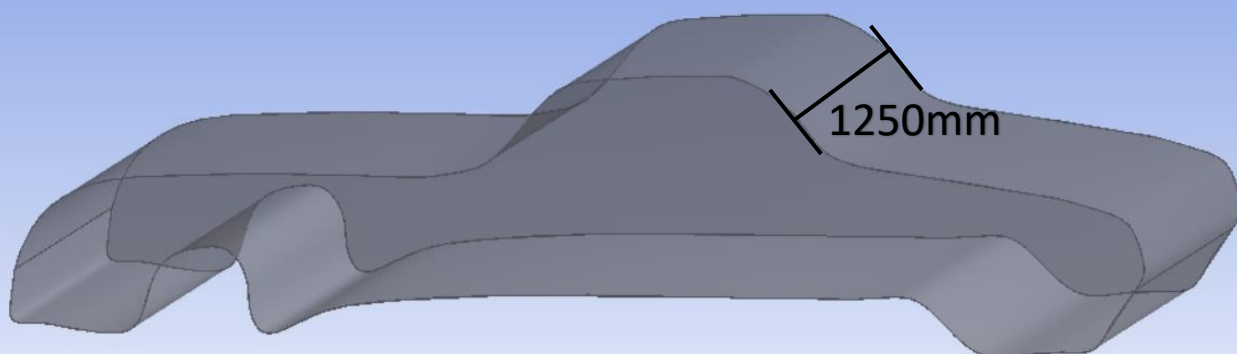
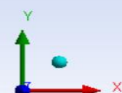
Properties

<input type="checkbox"/> Volume	1,57e+006 mm ³
<input type="checkbox"/> Mass	12,325 kg
Centroid X	1220,6 mm
Centroid Y	464,35 mm
Centroid Z	4, mm
<input type="checkbox"/> Moment of Inertia Ip1	2,718e+005 kg·mm ²
<input type="checkbox"/> Moment of Inertia Ip2	1,5741e+005 kg·mm ²
<input type="checkbox"/> Moment of Inertia Ip3	4,2908e+005 kg·mm ²

Araba



0,00 250,00 500,00 750,00 1000,00 (mm)

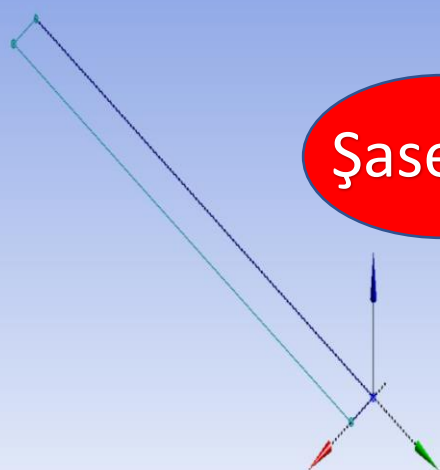


Details of "Araba"

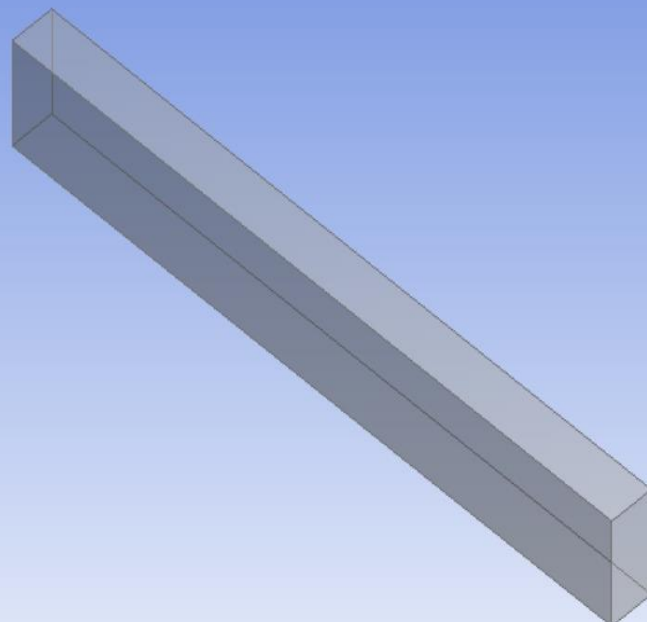
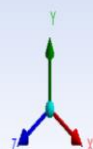
Properties

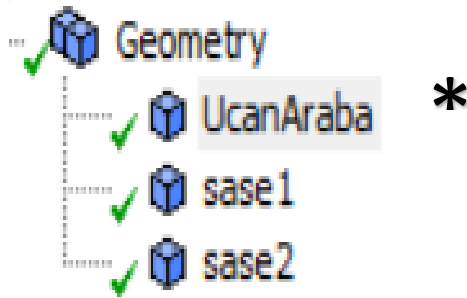
<input type="checkbox"/> Volume	1,2139e+007 mm ³
<input type="checkbox"/> Mass	95,291 kg
Centroid X	-5,4557 mm
Centroid Y	79,974 mm
Centroid Z	625, mm
<input type="checkbox"/> Moment of Inertia Ip1	2,1513e+007 kg·mm ²
<input type="checkbox"/> Moment of Inertia Ip2	9,5006e+007 kg·mm ²
<input type="checkbox"/> Moment of Inertia Ip3	8,1665e+007 kg·mm ²

Şase 1-2



0,00 175,00 350,00 525,00 700,00 (mm)





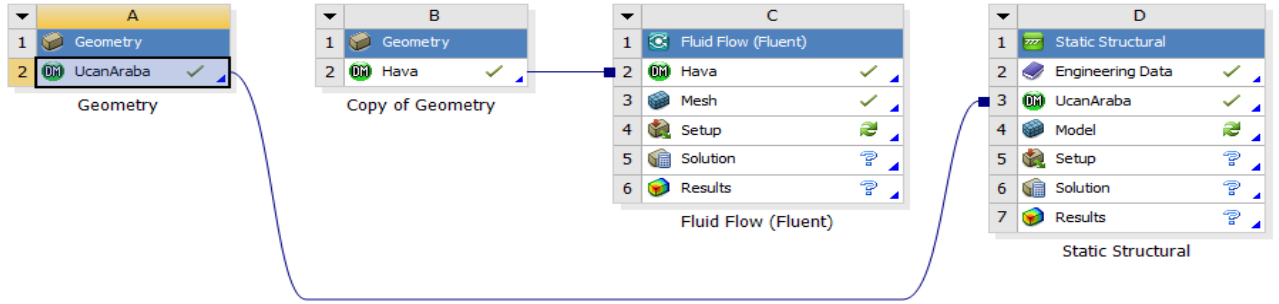
Details of "Geometry"	
Properties	
<input type="checkbox"/> Volume	1,9406e+009 mm ³
<input type="checkbox"/> Mass	15234 kg
Scale Factor Va... 1.	

Details of "UcanAraba"	
Properties	
<input type="checkbox"/> Volume	2,438e+007 mm ³
<input type="checkbox"/> Mass	191,38 kg
Centroid X	-236,64 mm
Centroid Y	279,67 mm
Centroid Z	731,76 mm
<input type="checkbox"/> Moment of Inertia Ip1	3,5797e+008 kg·mm ²
<input type="checkbox"/> Moment of Inertia Ip2	4,6609e+008 kg·mm ²
<input type="checkbox"/> Moment of Inertia Ip3	1,3065e+008 kg·mm ²

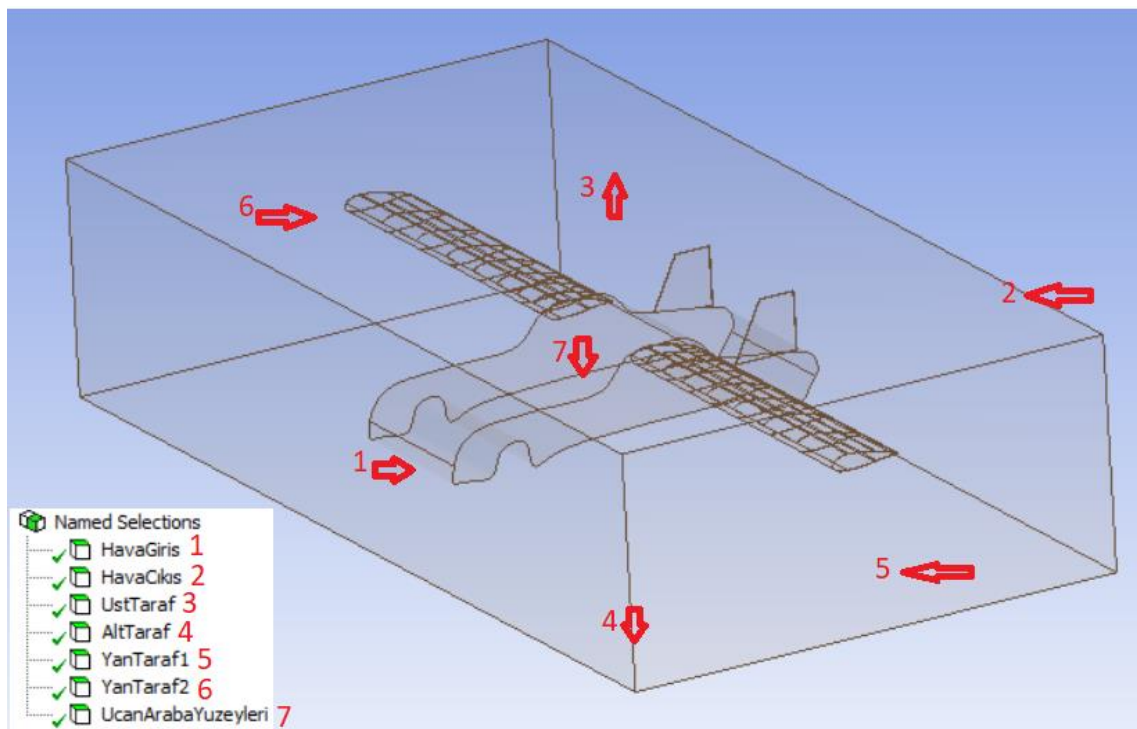
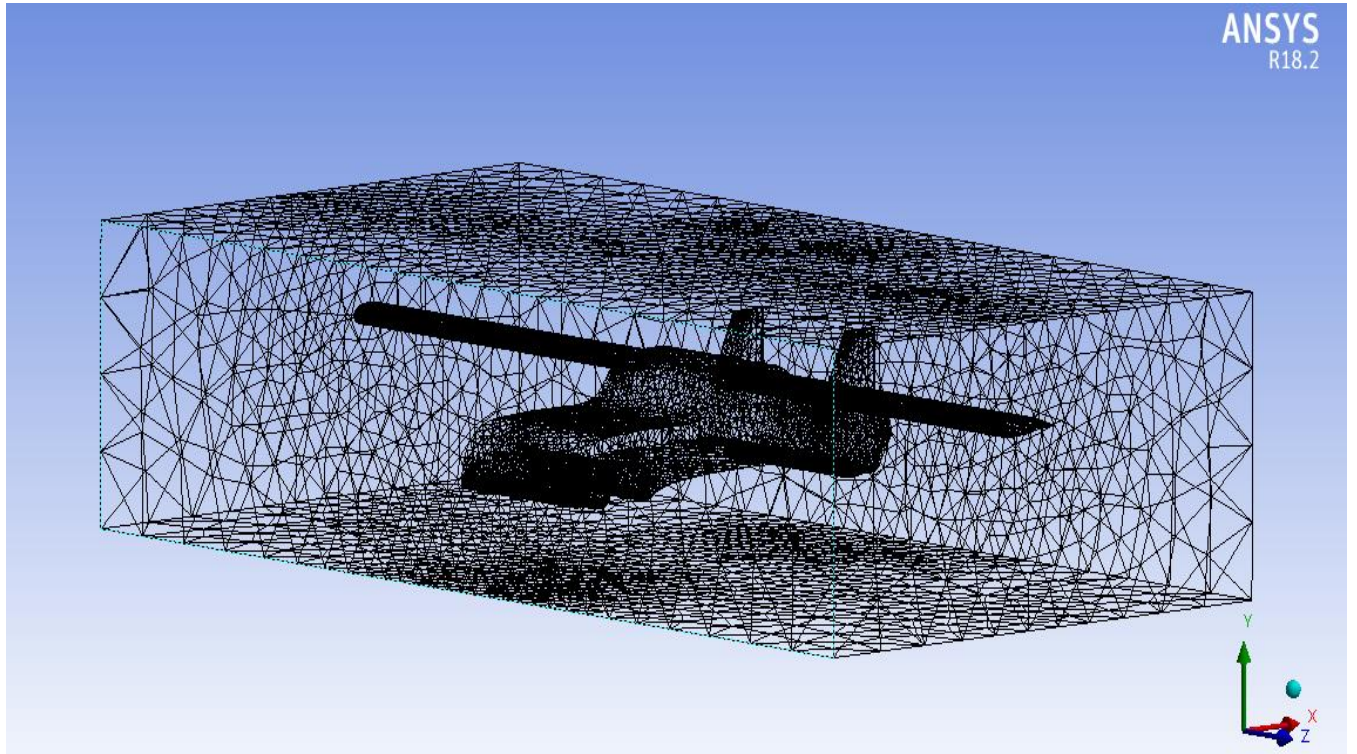
Details of "sase2"	
Properties	
<input type="checkbox"/> Volume	1.8703e+007 mm ³
<input type="checkbox"/> Mass	146,82 kg
Centroid X	-236,64 mm
Centroid Y	175, mm
Centroid Z	895,4 mm
<input type="checkbox"/> Moment of Inertia Ip1	3,7614e+005 kg·mm ²
<input type="checkbox"/> Moment of Inertia Ip2	2,3175e+007 kg·mm ²
<input type="checkbox"/> Moment of Inertia Ip3	2,3349e+007 kg·mm ²

Details of "sase1"	
Properties	
<input type="checkbox"/> Volume	1.8703e+007 mm ³
<input type="checkbox"/> Mass	146,82 kg
Centroid X	-236,64 mm
Centroid Y	175, mm
Centroid Z	295,4 mm
<input type="checkbox"/> Moment of Inertia Ip1	3,7614e+005 kg·mm ²
<input type="checkbox"/> Moment of Inertia Ip2	2,3175e+007 kg·mm ²
<input type="checkbox"/> Moment of Inertia Ip3	2,3349e+007 kg·mm ²

* Uçan Araba;Kanat 1-2,Kanat 3-4 ve Araba'nın birleşimidir.



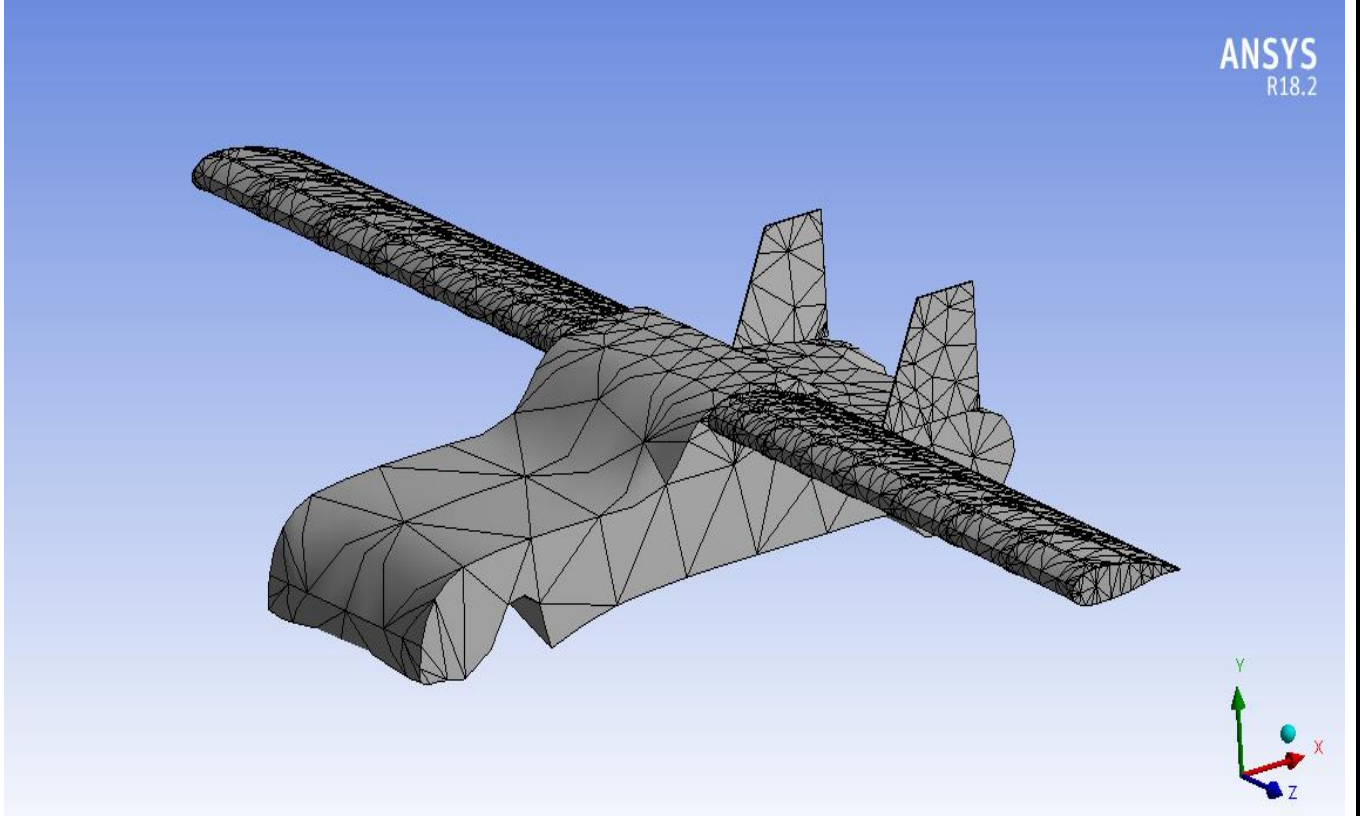
FLUID FLOW (FLUENT) ANALİZ



$$\text{Uçağın Sürüklenme Kuvveti (N)} \times \text{Uçağın Hızı (m/s)} = \text{Motor Gücü (Nm/s) (W)}$$

$$\text{Motor Gücü (kW)} \times \text{Beygir Gücü (1,36)} = \text{Hp Cinsinden Motor Gücü}$$

STATIC STRUCTURAL ANALİZ



Ölçek	Ad Soyad	CENGİZHAN TOPÇU	KARABÜK ÜNİVERSİTESİ MÜHENDİSLİK FAKÜLTESİ MEKATRONİK MÜHENDİSLİĞİ
	Numara	2017010225048	
	UÇAN ARABA TASARIMI		