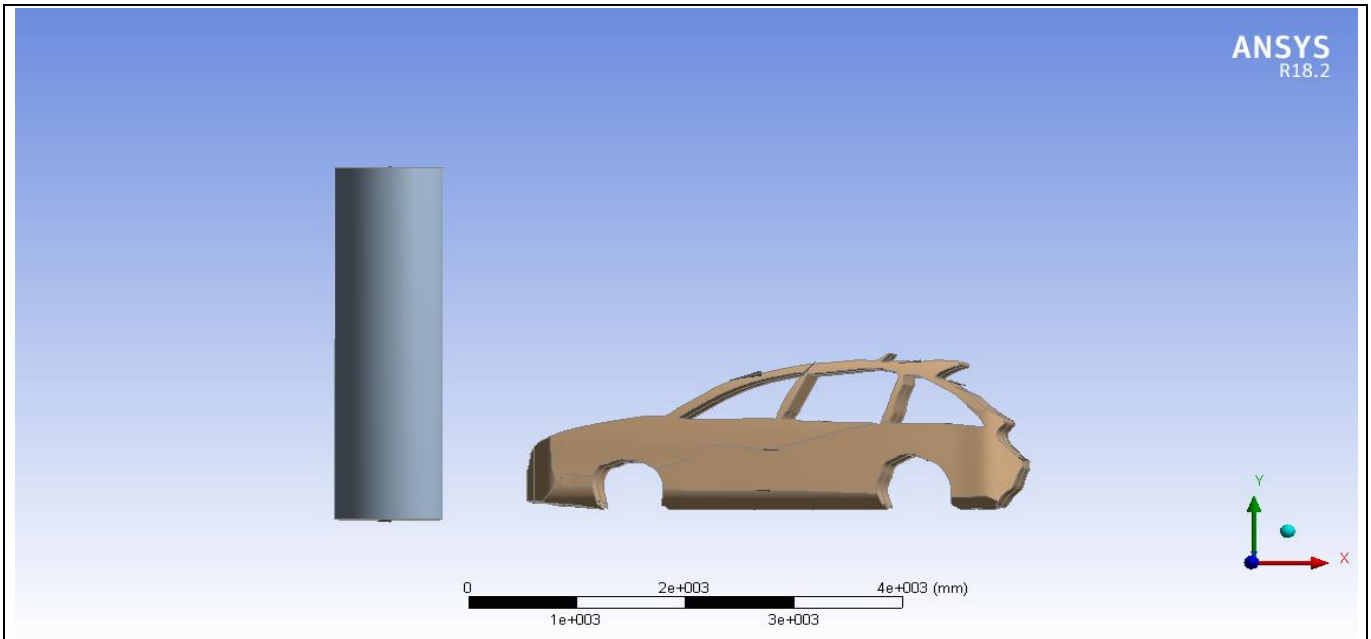
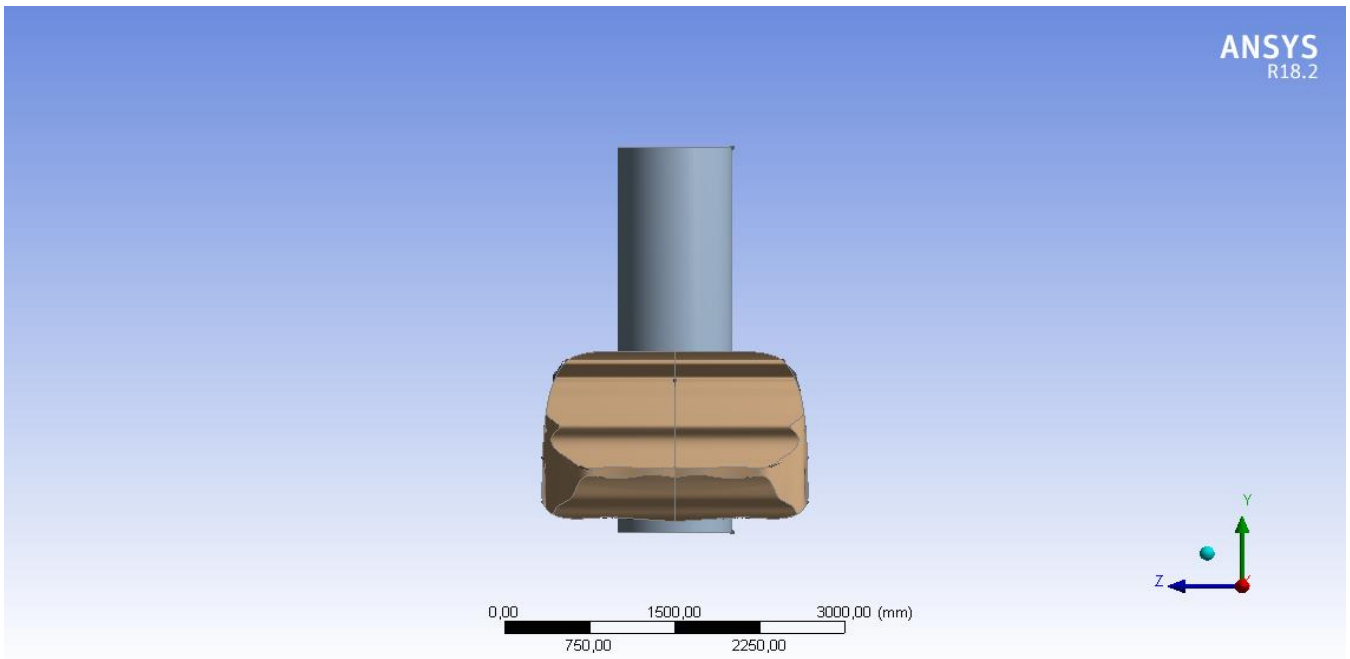
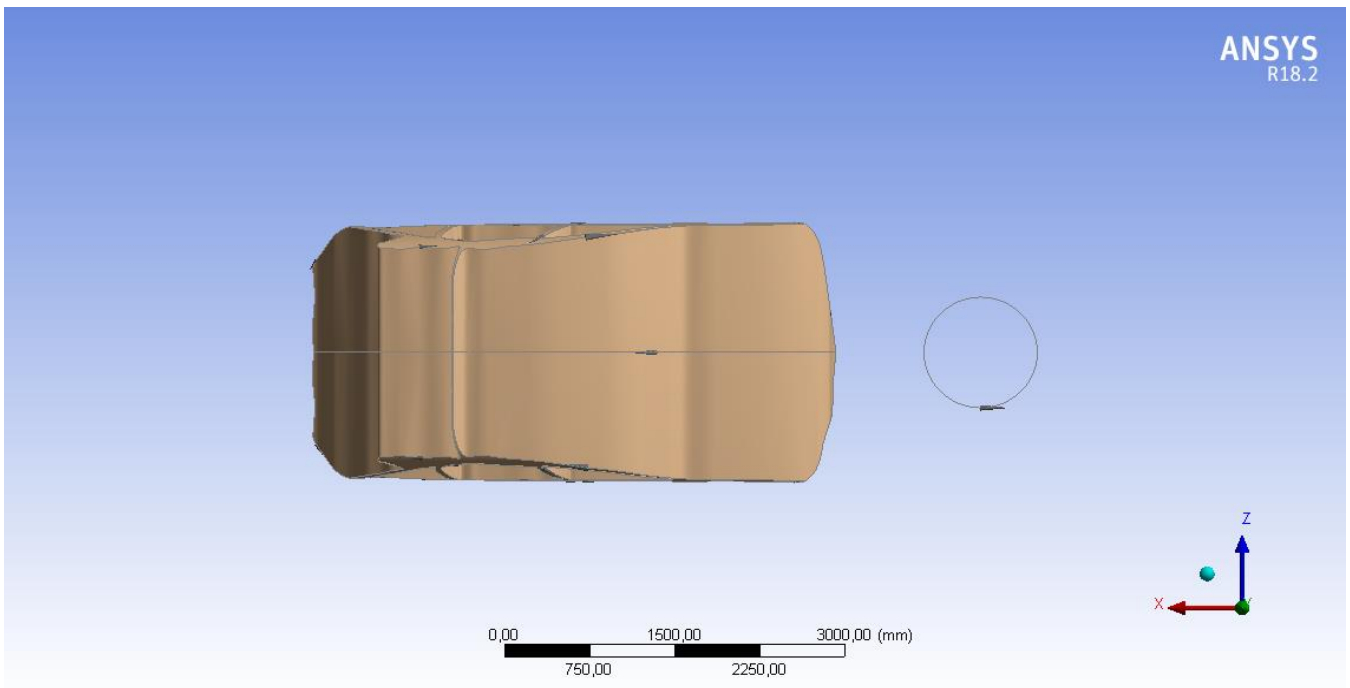
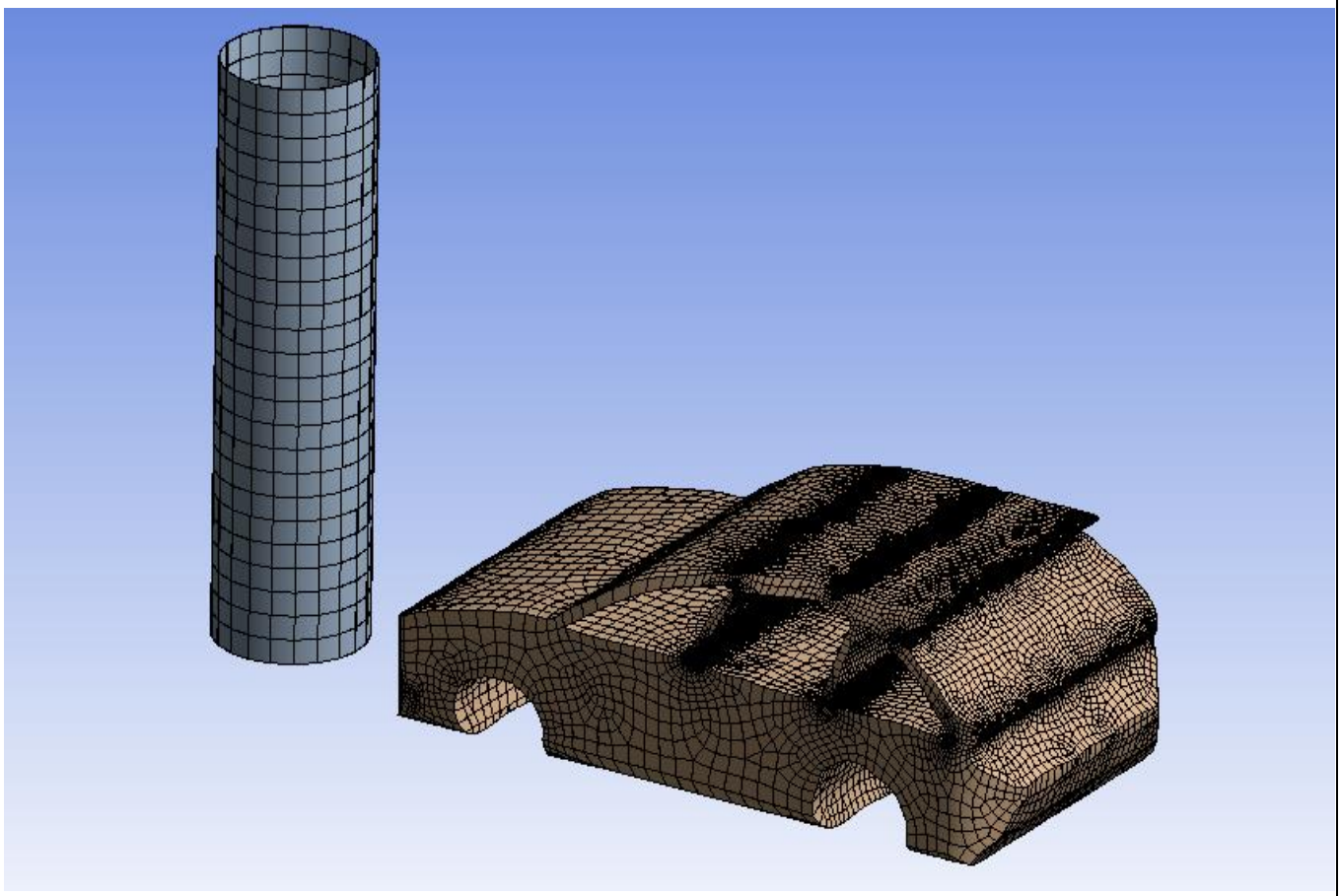

ANSYS
R18.2
Y
X
0
2e+003
4e+003 (mm)
1e+003
3e+003


ANSYS
R18.2
Y
Z
0,00
1500,00
3000,00 (mm)
750,00
2250,00

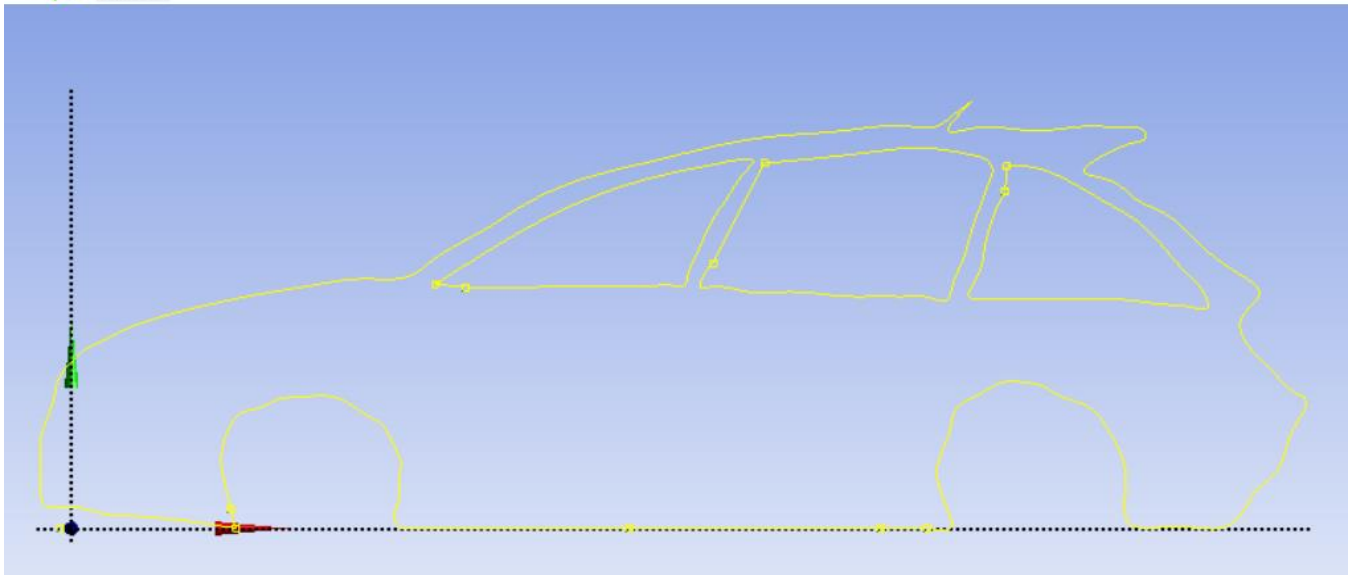

ANSYS
R18.2
Z
X
0,00
1500,00
3000,00 (mm)
750,00
2250,00

Mesh

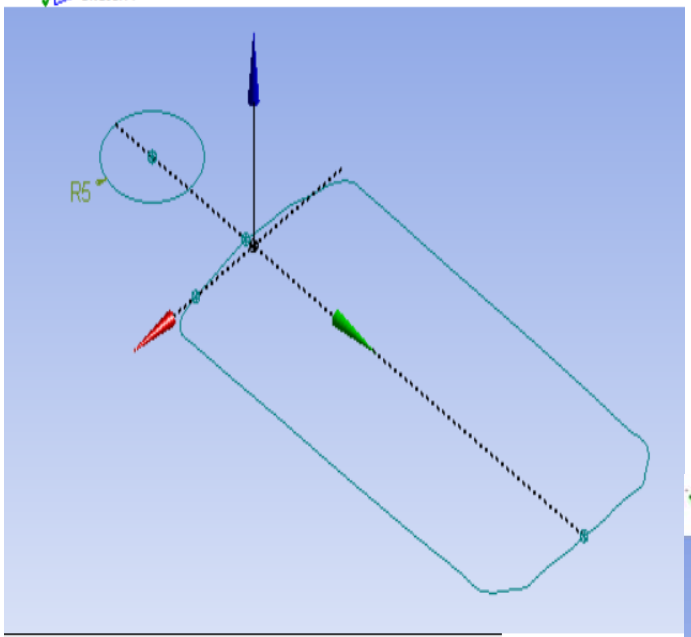
| Details of "Mesh" | |
|---|---|
| **Display** | |
| Display Style | Body Color |
| **Defaults** | |
| Physics Preference | Explicit |
| Relevance | 0 |
| Element Order | Linear |
| **Sizing** | |
| Size Function | Curvature |
| Relevance Center | Medium |
| Max Face Size | Default (150,330 mm) |
| Mesh Defeaturing | Yes |
| Defeature Size | Default (0,751640 mm) |
| Growth Rate | Default |
| Span Angle Center | Coarse |
| Min Size | Default (1,50330 mm) |
| Curvature Nor... | Default (30,0 °) |
| Bounding Box Di... | 7696,90 mm |
| Minimum Edge L... | 9,85630 mm |
| **Quality** | |
| Check Mesh Qua... | Yes, Errors |
| Target Quality | Default (0.050000) |
| Smoothing | High |
| Mesh Metric | None |
| **Inflation** | |
| Use Automatic In... | None |
| Inflation Option | Smooth Transition |
| Transition Ratio | 0,272 |
| Maximum Lay... | 2 |
| Growth Rate | 1,2 |
| Inflation Algorit... | Pre |
| View Advanced ... | No |
| **Advanced** | |
| Number of CPUs ... | Program Controlled |
| Straight Sided El... | |
| Number of Retries | 0 |
| Rigid Body Beha... | Full Mesh |
| Mesh Morphing | Disabled |
| Triangle Surface ... | Program Controlled |
| Topology Checki... | No |
| Use Sheet Thickn... | No |
| Pinch Tolerance | Default (1,3530 mm) |
| Generate Pinch o... | No |
| Sheet Loop Rem... | No |
| **Statistics** | |
| Nodes | 62512 |
| Elements | 65758 |



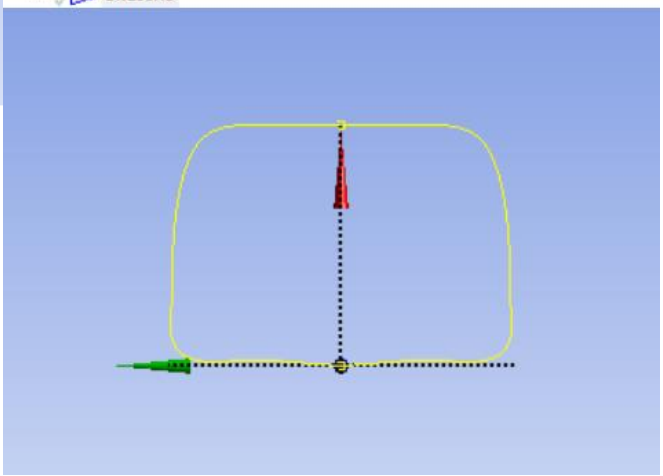
XYPlane
Sketch1



ZXPlane
Sketch2
Sketch4

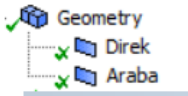



YZPlane
Sketch3



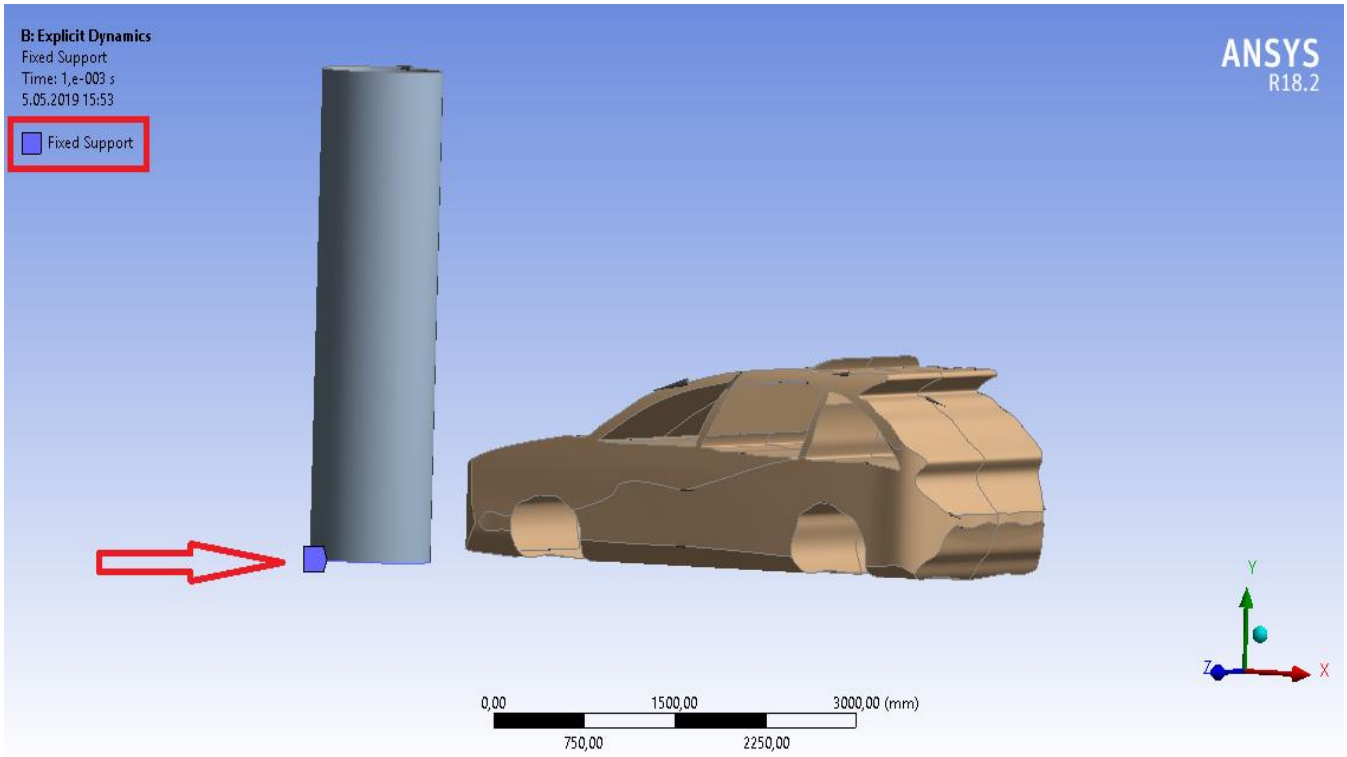
Details View

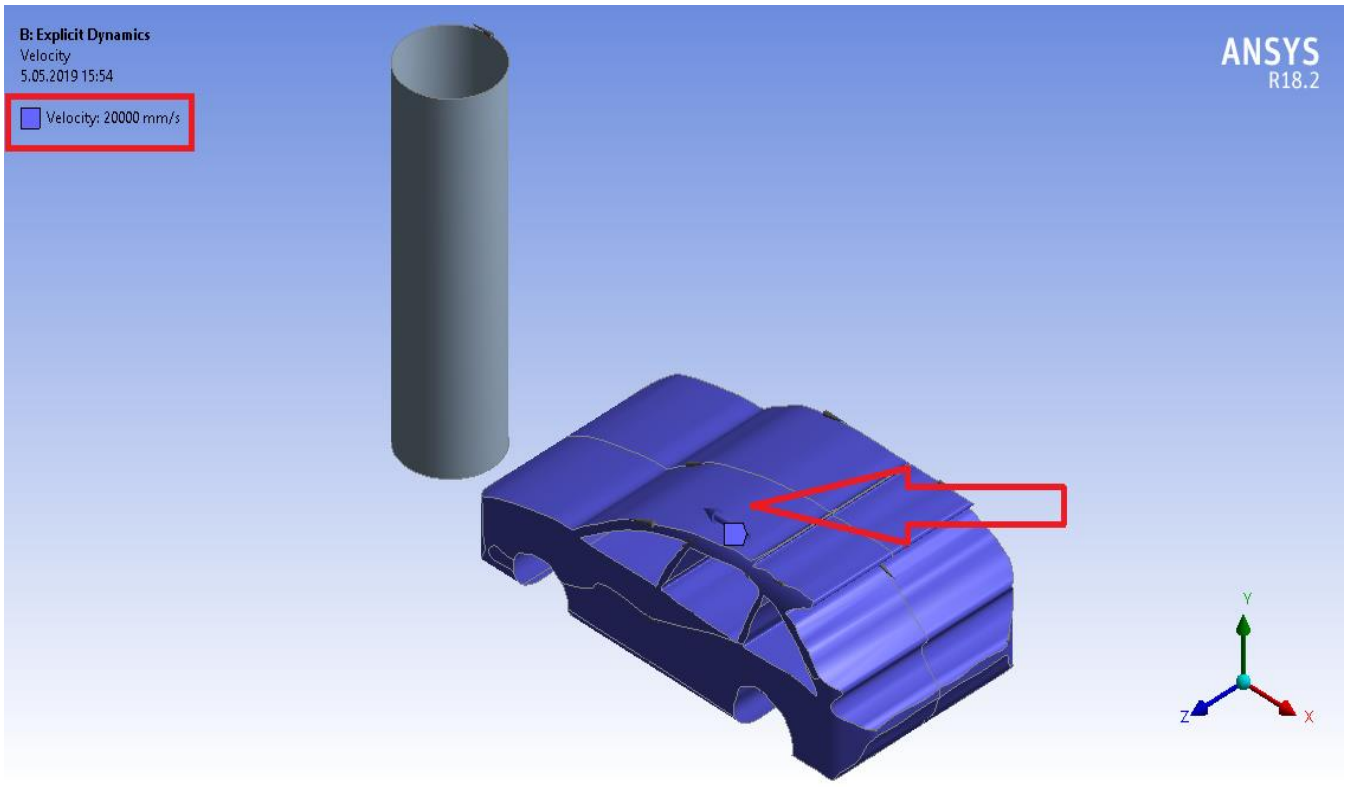
| Details of Sketch4 | |
|---|---|
| Sketch | Sketch4 |
| Sketch Visibility | Show Sketch |
| Show Constraints? | No |
| **Dimensions: 1** | |
| R5 | 500 mm |
| **Edges: 1** | |
| Full Circle | Cr64 |

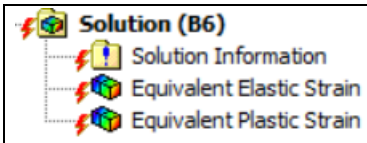



| Details of "Direk" | |
|---|---|
| **Definition** | |
| Suppressed | No |
| Stiffness Behavior | Flexible |
| Coordinate System | Default Coordinate System |
| Reference Temperature | By Environment |
| Thickness | 5, mm |
| Thickness Mode | Manual |
| Offset Type | Middle |
| **Properties** | |
| Volume | 5,6549e+007 mm³ |
| Mass | 443,91 kg |
| Centroid X | -1378,8 mm |
| Centroid Y | 1700, mm |
| Centroid Z | 1,2286e-015 mm |
| Moment of Inertia ... | 5,3395e+008 kg·mm² |
| Moment of Inertia ... | 1,1027e+008 kg·mm² |
| Moment of Inertia ... | 5,3395e+008 kg·mm² |
| Surface Area(appr... | 1,131e+007 mm² |

| Details of "Araba" | |
|---|---|
| **Definition** | |
| Suppressed | No |
| Stiffness Behavior | Flexible |
| Coordinate System | Default Coordinate System |
| Reference Temperature | By Environment |
| Thickness | 1, mm |
| Thickness Mode | Manual |
| Offset Type | Middle |
| **Properties** | |
| Volume | 5,2369e+007 mm³ |
| Mass | 411,09 kg |
| Centroid X | 2457, mm |
| Centroid Y | 777,59 mm |
| Centroid Z | -0,18042 mm |
| Moment of Inertia Ip1 | 3,0149e+008 kg·mm² |
| Moment of Inertia Ip2 | 8,5084e+008 kg·mm² |
| Moment of Inertia Ip3 | 7,2732e+008 kg·mm² |
| Surface Area(approx.) | 5,2369e+007 mm² |


B: Explicit Dynamics
Fixed Support
Time: 1,e-003 s
5.05.2019 15:53
Fixed Support
ANSYS
R18.2
0,00
1500,00
3000,00 (mm)
750,00
2250,00
Y
Z
X


B: Explicit Dynamics
Velocity
5.05.2019 15:54
Velocity: 20000 mm/s
ANSYS
R18.2
Y
Z
X




| Ölçek | Ad Soyad | CENGİZHAN TOPÇU | KARABÜK ÜNİVERSİTESİ MÜHENDİSLİK FAKÜLTESİ MEKATRONİK MÜHENDİSLİĞİ |
|---|---|---|---|
| | Numara | 2017010225048 | |
| | ARABA | | |