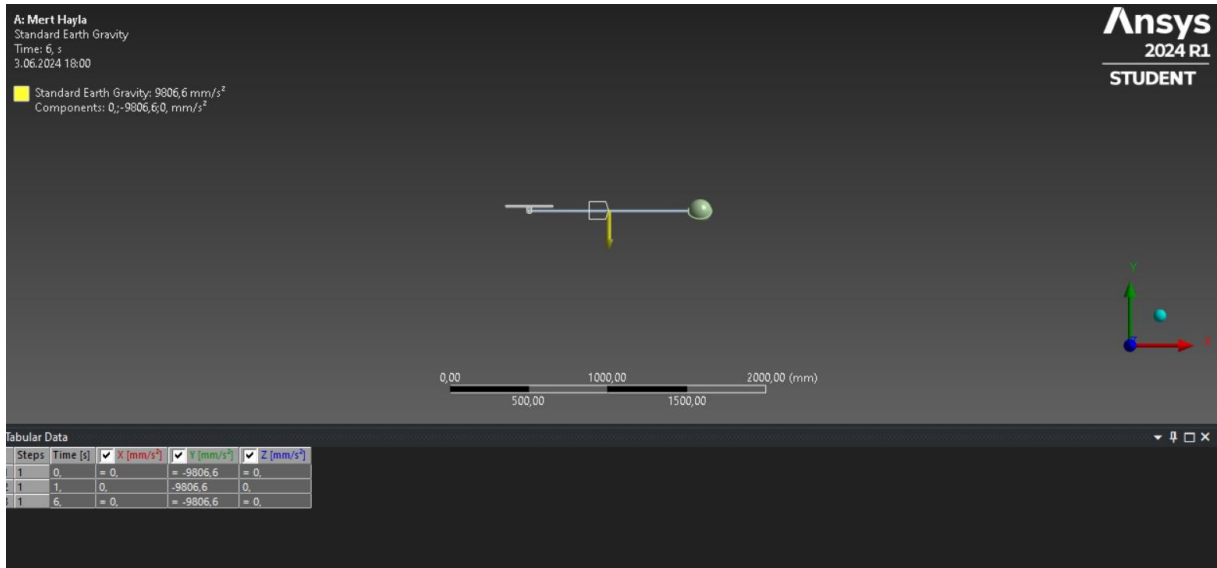


SONLU ELEMENLAR METODU FİNAL

MERT HAYLA

18184030

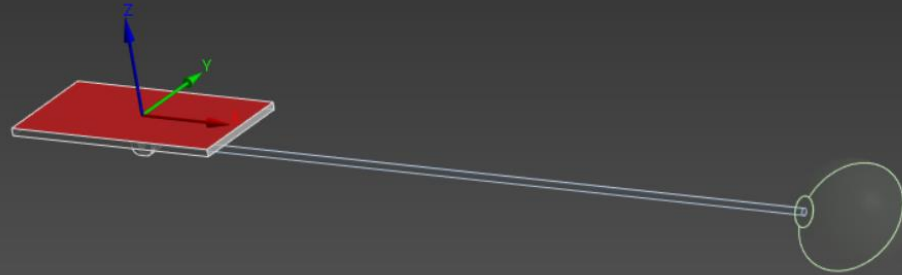
Details of "30 kg top"							
Material				Material			
Assignment	küre kütle			Assignment	cubuk kütle		
Bounding Box				Bounding Box			
Properties				Properties			
Volume	1,7464e+006 mm ³			Volume	80422 mm ³		
Mass	29,986 kg			Mass	0, kg		
Centroid X	1089,2 mm			Centroid X	499,58 mm		
Centroid Y	-0,68444 mm			Centroid Y	-0,68445 mm		
Centroid Z	112,5 mm			Centroid Z	112,5 mm		
Moment of Inertia Ip1	66932 kg·mm ²			Moment of Inertia Ip1	0, kg·mm ²		
Moment of Inertia Ip2	67076 kg·mm ²			Moment of Inertia Ip2	0, kg·mm ²		
Moment of Inertia Ip3	66822 kg·mm ²			Moment of Inertia Ip3	0, kg·mm ²		
Statistics				Statistics			



Fixed - Ground To sarkac askı
3.06.2024 17:47

Ansys
2024 R1
STUDENT

- X
- Y
- Z
- RX
- RY
- RZ

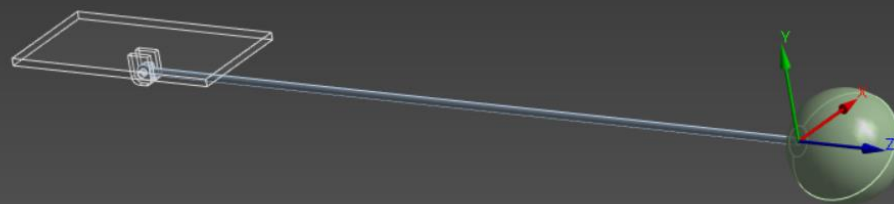


0,00 125,00 250,00 375,00 500,00 (mm)

Fixed - cubuk To 30 kg top
3.06.2024 17:47

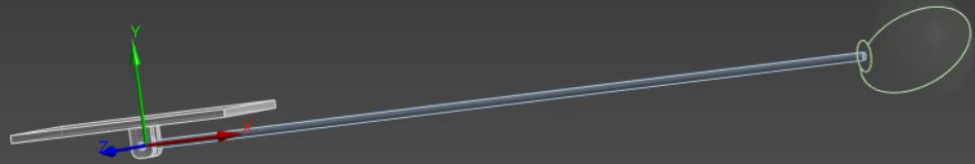
Ansys
2024 R1
STUDENT

- X
- Y
- Z
- RX
- RY
- RZ

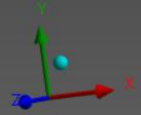


0,00 125,00 250,00 375,00 500,00 (mm)

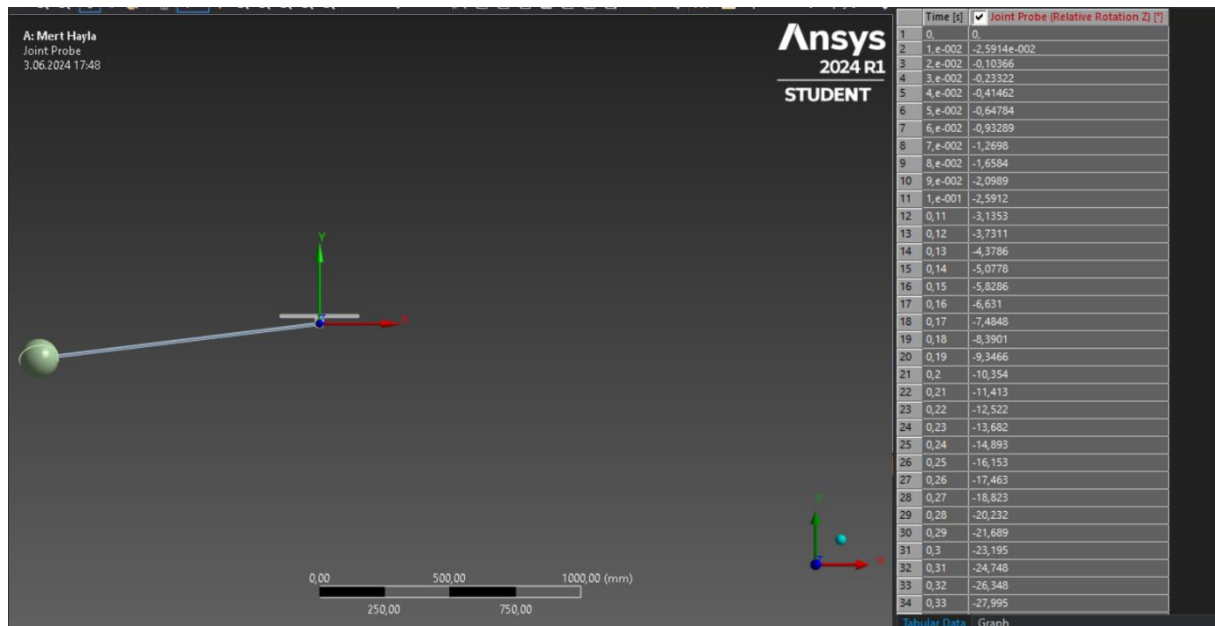
- ☐ X
- ☐ Y
- ☐ Z
- ☐ RX
- ☐ RY
- ☒ RZ



0,00 125,00 250,00 375,00 500,00 (mm)



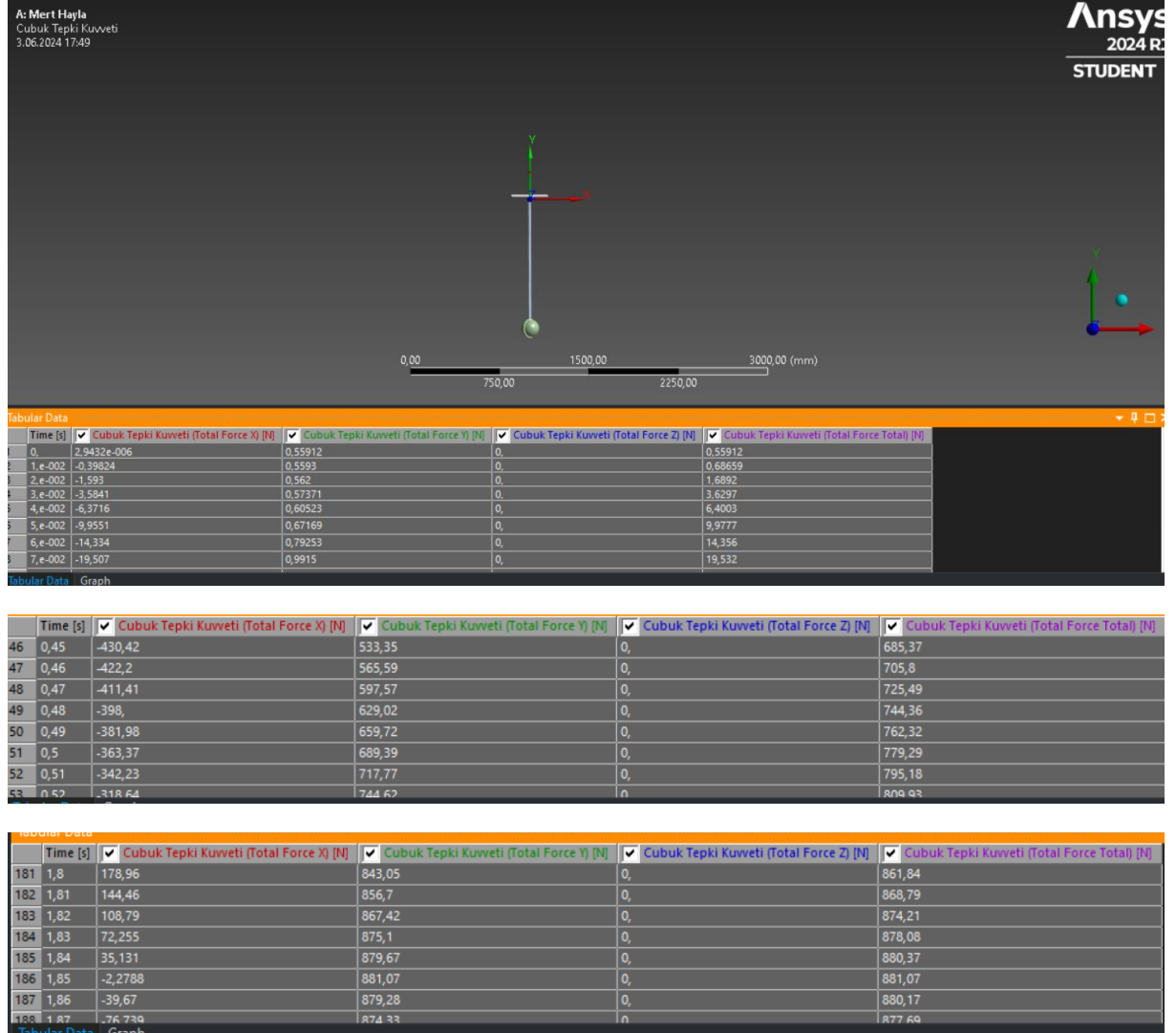
JOINT PROBE



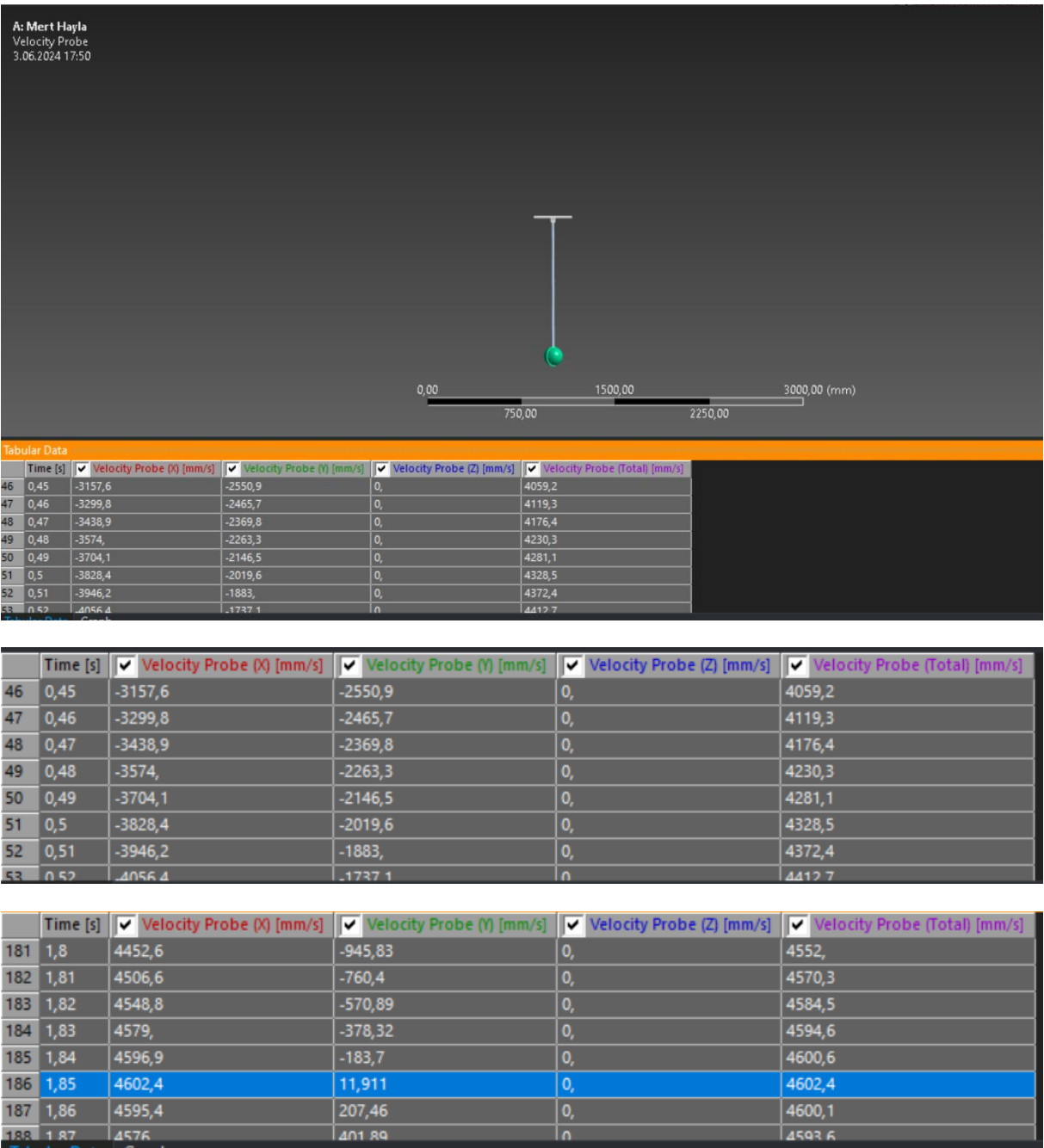
	Time [s]	Joint Probe (Relative Rotation Z) [°]		Time [s]	Joint Probe (Relative Rotation Z) [°]
46	0,45	-51,067	181	1,8	-101,99
47	0,46	-53,232	182	1,81	-99,577
48	0,47	-55,429	183	1,82	-97,153
49	0,48	-57,655	184	1,83	-94,723
50	0,49	-59,908	185	1,84	-92,288
51	0,5	-62,188	186	1,85	-89,852
52	0,51	-64,491	187	1,86	-87,415
53	0,52	-66,817	188	1,87	-84,981

Tabular Data Graph

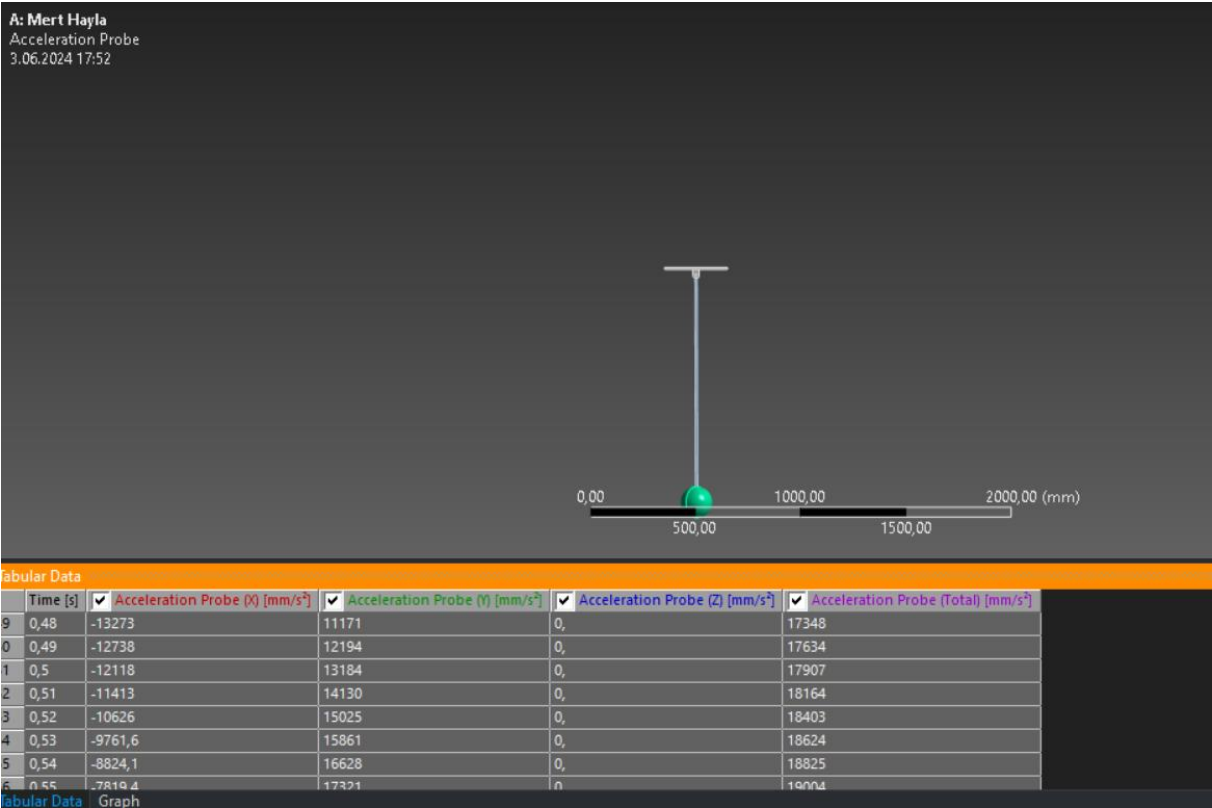
ÇUBUK TEPKİ KUVVETİ



VELOCITY PROBE



ACCELERATION PROBE



Tabular Data

	Time [s]	Acceleration Probe (X) [mm/s ²]	Acceleration Probe (Y) [mm/s ²]	Acceleration Probe (Z) [mm/s ²]	Acceleration Probe (Total) [mm/s ²]
49	0,48	-13273	11171	0,	17348
50	0,49	-12738	12194	0,	17634
51	0,5	-12118	13184	0,	17907
52	0,51	-11413	14130	0,	18164
53	0,52	-10626	15025	0,	18403
54	0,53	-9761,6	15861	0,	18624
55	0,54	-8824,1	16628	0,	18825
56	0,55	-7819,4	17321	0	19004

Tabular Data

	Time [s]	Acceleration Probe (X) [mm/s ²]	Acceleration Probe (Y) [mm/s ²]	Acceleration Probe (Z) [mm/s ²]	Acceleration Probe (Total) [mm/s ²]
181	1,8	5968,3	18308	0,	19256
182	1,81	4817,5	18763	0,	19372
183	1,82	3628,1	19121	0,	19462
184	1,83	2409,6	19377	0,	19526
185	1,84	1171,6	19529	0,	19564
186	1,85	-75,996	19576	0,	19576
187	1,86	-1322,9	19516	0,	19561
188	1,87	-2559,1	19351	0	19520

Tabular Data Graph