

AD VE SOYAD:	Orhan KURT	NUMARA:	160227001
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## YIL İÇİ ÖDEVİ

Sonuçlarınızı aşağıda verilen formatla, istenilen incelikte, istenilen tipte (reel ve üstel) ve istenilen yazınız.

$$a_{\text{GRS80}} = 6378137.00000 \text{ m} \quad b_{\text{GRS80}} = 6356752.31414 \text{ m}$$

(1)	Geometrik Merkez Koordinatları B°, L°, h[m]							
Jeodezik	B°	40.84	L°	39.68	L <sub>0</sub> °	39.00	h <sub>m</sub>	71.96
Kartezyen	X <sub>m</sub>	3708467.17	Y <sub>m</sub>	3097199.85	Z <sub>m</sub>	4148654.75	H <sub>m</sub>	45.68
3° UTM	x <sub>m</sub>	4522973.41	y <sub>m</sub>	573186.05	L <sub>0</sub> °	39.00	N <sub>m</sub>	26.28

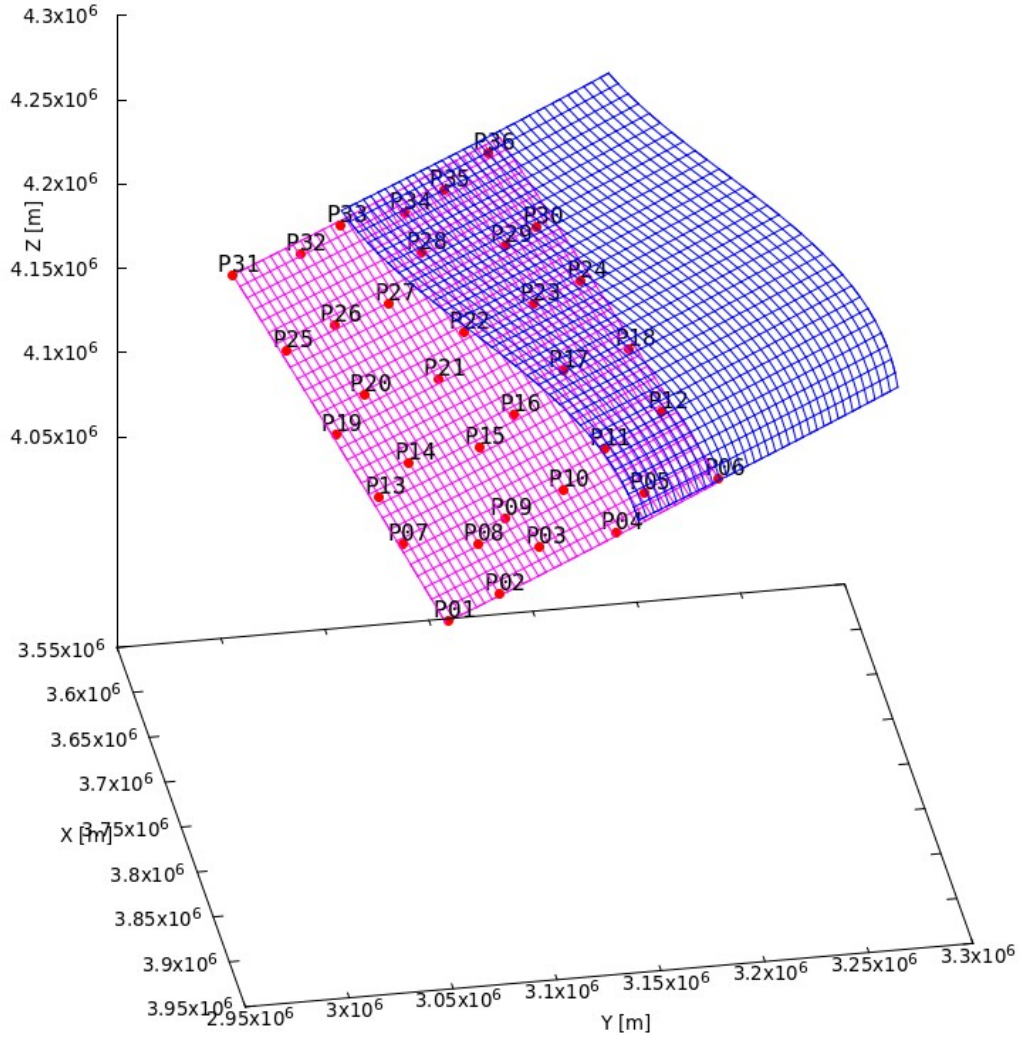
$$a_{(26,0.975)} = 2.0555$$

(2)	Yüzey Parametreleri & Anlamlılık Testleri				
	$\delta$	$\pm$	$\sigma_\delta$	$T_\delta$	$t$
$\sigma_0$ [m]		$\pm$	0.6557		
$a_0$ [m]	27.5675	$\pm$	0.2154	127.98	
$a_1$ [m/km]	-1.1e-01	$\pm$	4.6e-03	22.95	
$a_2$ [m/km]	-9.3e-03	$\pm$	5.2e-03	1.81	< 2.06
$a_3$ [m/km <sup>2</sup> ]	8.6e-05	$\pm$	2.5e-05	3.37	
$a_4$ [m/km <sup>2</sup> ]	-3.3e-04	$\pm$	2.8e-05	11.77	
$a_5$ [m/km <sup>2</sup> ]	5.1e-05	$\pm$	3.2e-05	1.61	< 2.06
$a_6$ [m/km <sup>3</sup> ]	4.8e-07	$\pm$	4.7e-07	1.03	< 2.06
$a_7$ [m/km <sup>3</sup> ]	-9.7e-07	$\pm$	4.1e-07	2.35	
$a_8$ [m/km <sup>3</sup> ]	4.2e-06	$\pm$	5.2e-07	7.97	
$a_9$ [m/km <sup>3</sup> ]	8.9e-07	$\pm$	6.5e-07	1.37	< 2.06

$$a_{(26,0.975)} = 2.0555$$

(2)	EKK Parametreleri İle Kestirim		
( x , y ) [km]	N [m]	$\pm$	$\sigma_N$ [m]
( +10 , -10 ) [km]	26.5702	$\pm$	0.2219
( -10 , +10 ) [km]	28.4921	$\pm$	0.2230
( +50 , +50 ) [km]	21.8933	$\pm$	0.2764
( -50 , -50 ) [km]	32.2789	$\pm$	0.2779

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 Ellipsoid —  
 Local Geoid —



**Şekil – 1.** (view: 60,80 scale:1.00, 1.00)

**Veri noktaları (160227001 ORHAN KURT)**, orijinal Kartezyen koordinatlara göre, **Elipsoit (Ellipsoid)  $B, L, h=0.0$**  ile hesaplanan Kartezyen koordinatlara göre, **Jeoit (Geoid)  $B, L, h=5000.0$  \*N** ile hesaplanan Kartezyen koordinatlara göre, çizilmiştir.