7		
6.13		
2	0	
6 6	0	
5		Project: 1
99		i rojut: 1
9		Name: Garrar Lavadiya
0		ASUID: 1222768924
2		730270 (000,000,000)
9		for the given conditions
		The state of the s
9	-	Oravity_accuration = 0-12
4		Boost-acceration = 0-18
8		
4		droy = CD+A+8 × 1 × V
-0		
9		Assumed values for drag calculation
	(B_	Cd = 0.25
0		- A = 10 (Crossiction clied of Pocket)
4		R = density = 0.00179
-50		- V= Velocity in y direction
4		THE REPORT OF THE RESIDENCE OF THE PROPERTY OF
9		The same of the sa
10	=	> bocket Parameters
4		=> mass = 549054kg
19	_	diameter = 3.7 m
9	_	> Circa = 10-75 = 10 taken for simply sity
10	•	> Volume= 752.64706 - 8 = mass/volume
	_	$- S = \lambda U(1) / \Delta U(1)$
	0	
Y	And the second s	
1	والمستوع والمستوال والمستوال والمستوال والمستوال والمستوال	

9000 0 > X => X-coordinates J =) y - (vardinate) Va > Velocity in a direction Vy => velocity in y direction -) Objective function: min_115(7)211 999999 where $S(\tau) = (x(\tau), \sqrt{x(\tau)}, \forall x(\tau), \forall y(\tau), \theta)$ -) (Onstraints & Courletians X(t+1) = X(+) + Vx.(t). At $9(t+1) = 9(t) + \sqrt{9(t)} \cdot \Delta t$ -> Va(t+1) = Va(t) + Ataktigicoso(t) -Vy(t+1) = Vy(t) + st. sinO(t) -2 -=> dray = -1. Cd. A. g. Vy2 => State= state + dilta_Stategravity + dateg... delta_ state thrag - drag 0

9999999999 0 Step. mat = st o 0 1t 0 Va 001 Vy 0001 99999999 the Optimizer is set to run 30 iterations for T= 1005 =) conclutions from value of loss and graph of conversing cur can say that at the end of 30 iteration JUSS CONVERGENTO ZEVO. -) also, for a cit the itrution so by it also approches to zero. 0