

Projeto Netuno-R: simulações preliminares com Trajetoria 1.1

Prefixo: NR-2015

Marchi, 21 Nov 2015

Fixos: empuxo cte,
dtq = dtb = 1e-4,

Cd cte, g = 9.7876, par = 90 kPa,
Iq = Ib = 1, LT vertical, sem vento,

Tar = 20, Rar = 286.9,
sem PQ

Massas estimadas:

3 empenas e anel = 41 g
tampa/adaptador = 100 g
paraquedas = 20 g

tubeira = 107 g
nariz = 35 g
sistema 2 = 10 g

tubo-motor = 193 g
tubo PVC = 40 g
TOTAL = 717 g

KNSu = 90 g
equipamentos = 81 g

Data	07/11/15	07/11/15	07/11/15	07/11/15	14/11/15	14/11/15	21/11/15
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Dados	01	01	02	02	03	03	03
Motor	&-24Out	&-24Out	TE-21	TE-21	&-14Nov	&-14Nov	&-14Nov
Mf (g)	627	627	627	627	627	627	627
Mp (g)	90	90	117	117	105	105	105
Mo (g)	717	717	744	744	732	732	732
dr (mm)	44.45	44.45	44.45	44.45	44.45	44.45	44.45
Ec (N)	32.53	32.53	81.65	81.65	50.01	50.01	50.01
tq (s)	1.72	1.72	1.09	1.09	1.265	1.265	1.265
It (Ns)	55.95	55.95	89.00	89.00	63.26	63.26	63.26
Cd	2.0	1.0	2.0	1.0	2.0	1.0	0.6
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Saida	01	02	03	04	05	06	07
hq (m)	53	54	60	62	48	49	49
Vq (km/h)	219	229	390	409	269	280	284
tH (s)	6.61	7.31	7.67	9.20	6.78	7.72	8.28
H (m)	185	219	330	443	222	274	307
tI (s)	13.26	14.34	17.11	19.66	14.19	15.67	16.52