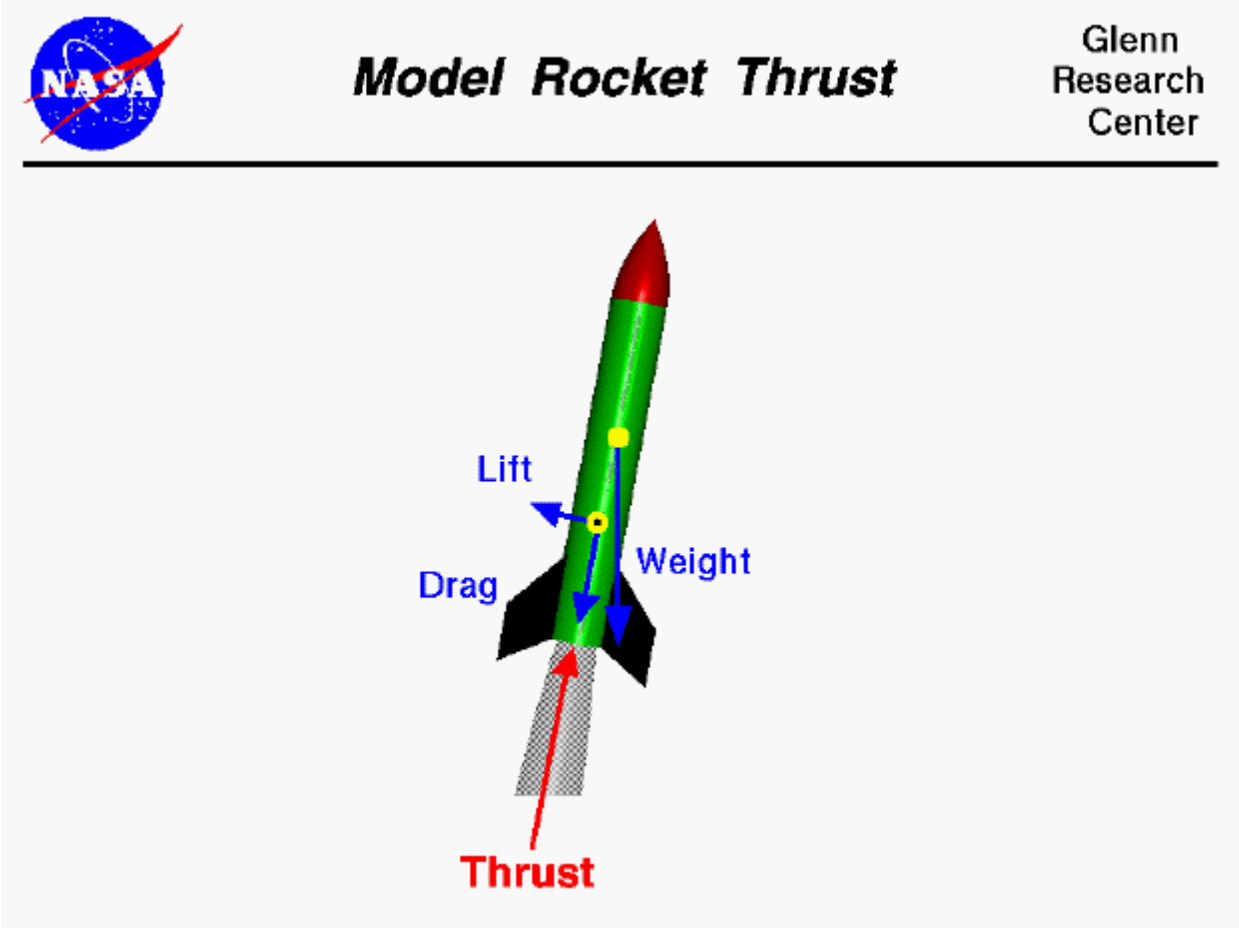
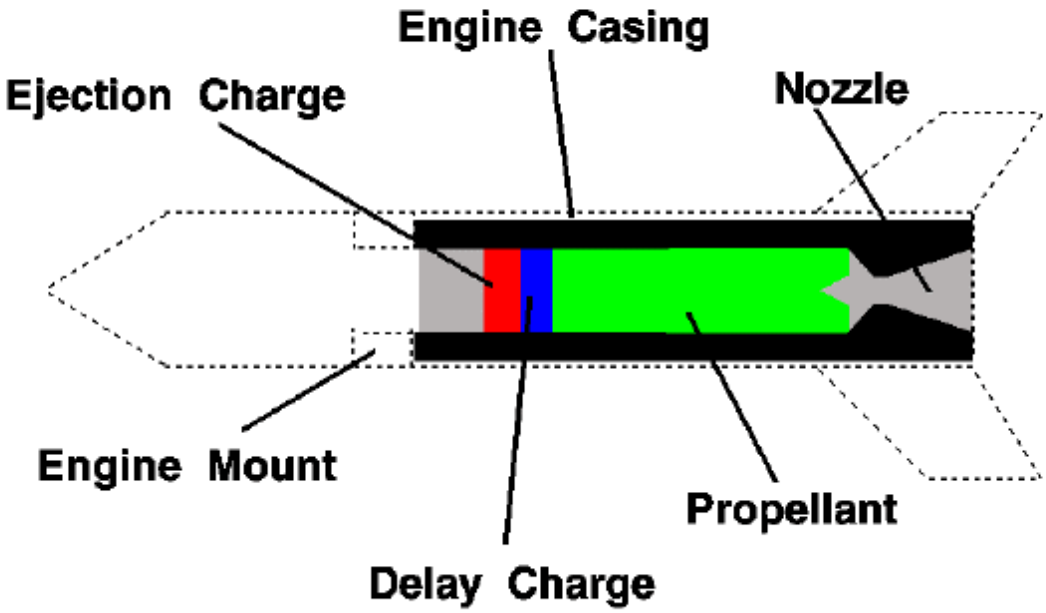
Capítulo 6. CURVA DE EMPUXO

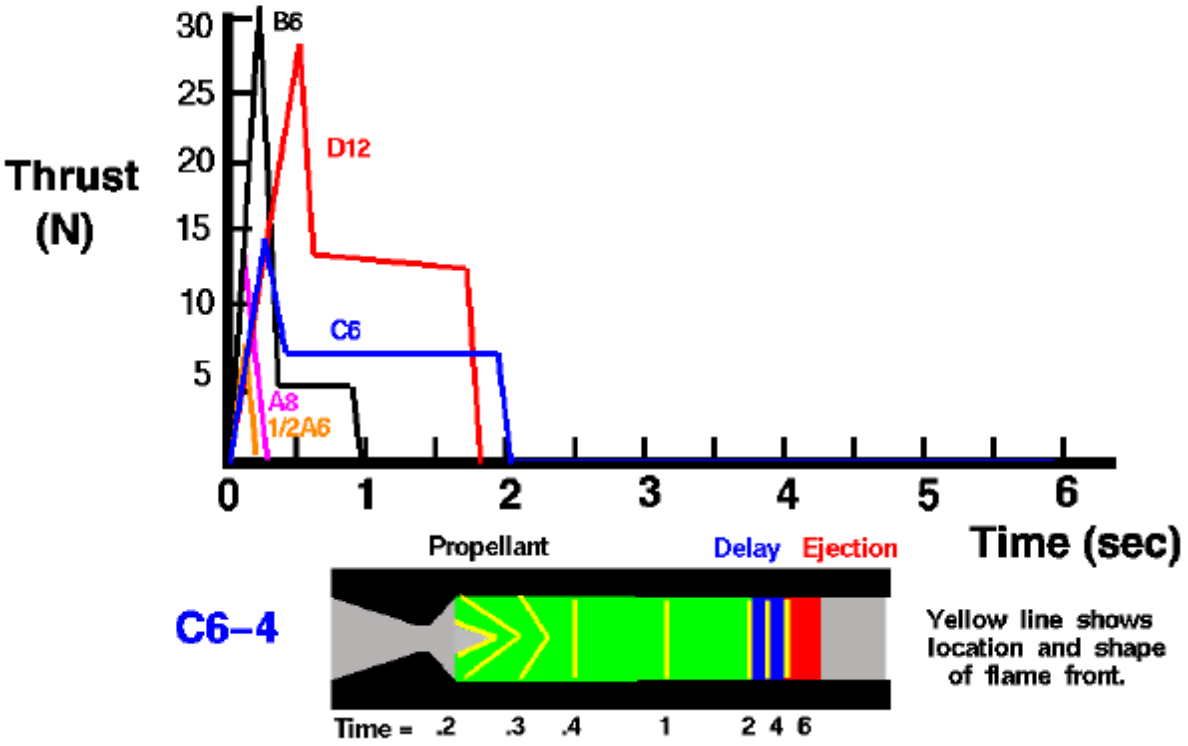


Model Solid Rocket Engine

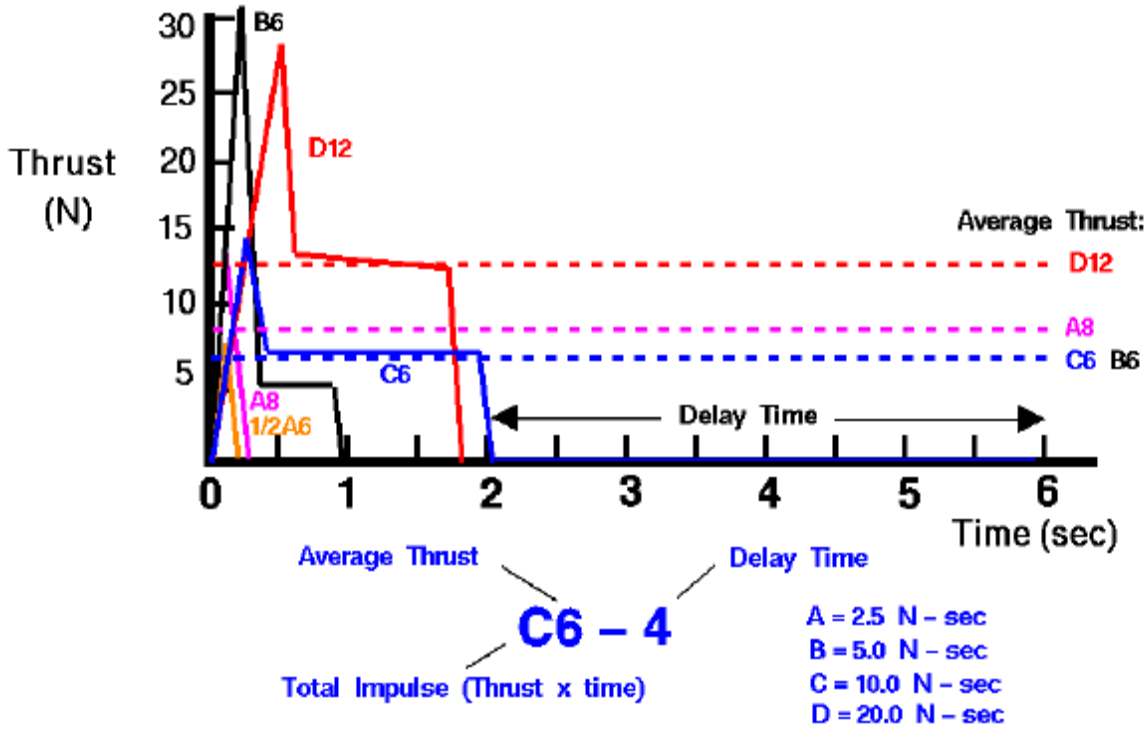


Model Rocket Engine Performance

Glenn Research Center



Model Rocket Engine Designation



Average Thrust — Delay Time

C6 – 4

Total Impulse (Thrust x time)

A = 2.5 N – sec
B = 5.0 N – sec
C = 10.0 N – sec
D = 20.0 N – sec

Motor Classes

Impulse Class	Min. Newtons	Max. Newtons	Min. Pounds	Max. Pounds
A	1.25	2.5	.28	.55
B	2.51	5	.55	1.10
C	5.01	10	1.10	2.2
D	10.01	20	2.2	4.41
E	20.01	40	4.41	8.81
F	40.01	80	8.81	17.62
G	80.01	160	17.62	35.24
H	160.01	320	35.24	70.48
I	320.01	640	70.48	140.97
J	640.01	1280	140.97	281.94
K	1280.01	2560	281.94	563.88
L	2560.01	5120	563.88	1127.75
M	5120.01	10240	1127.75	2255.51
N	10240.01	20480	2255.51	4511.01
O	20480.01	40960	4511.01	9022.03
P	40960.01	81920	9022.03	18044.05
Q	81920.01	163840	18044.05	36088.11
R	163840.01	327680	36088.11	72176.21
S	327680.01	655360	72176.21	144352.42
T	655360.01	1310720	144352.42	288704.85
U	1310720.01	2621440	288704.85	577409.69
V	2621440.01	5242880	577409.69	1154819.38
W	5242880.01	10485760	1154819.38	2309638.77
X	10485760.01	20971520	2309638.77	4619277.53

Site com centenas de curvas de empuxo de motores-foguetes comerciais de espaçomodelos.

http://www.thrustcurve.org/