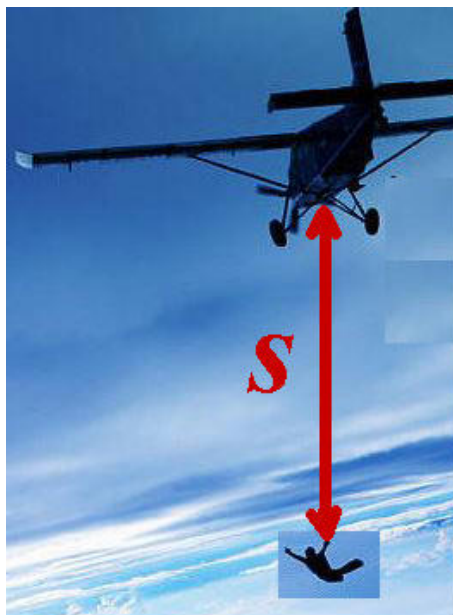


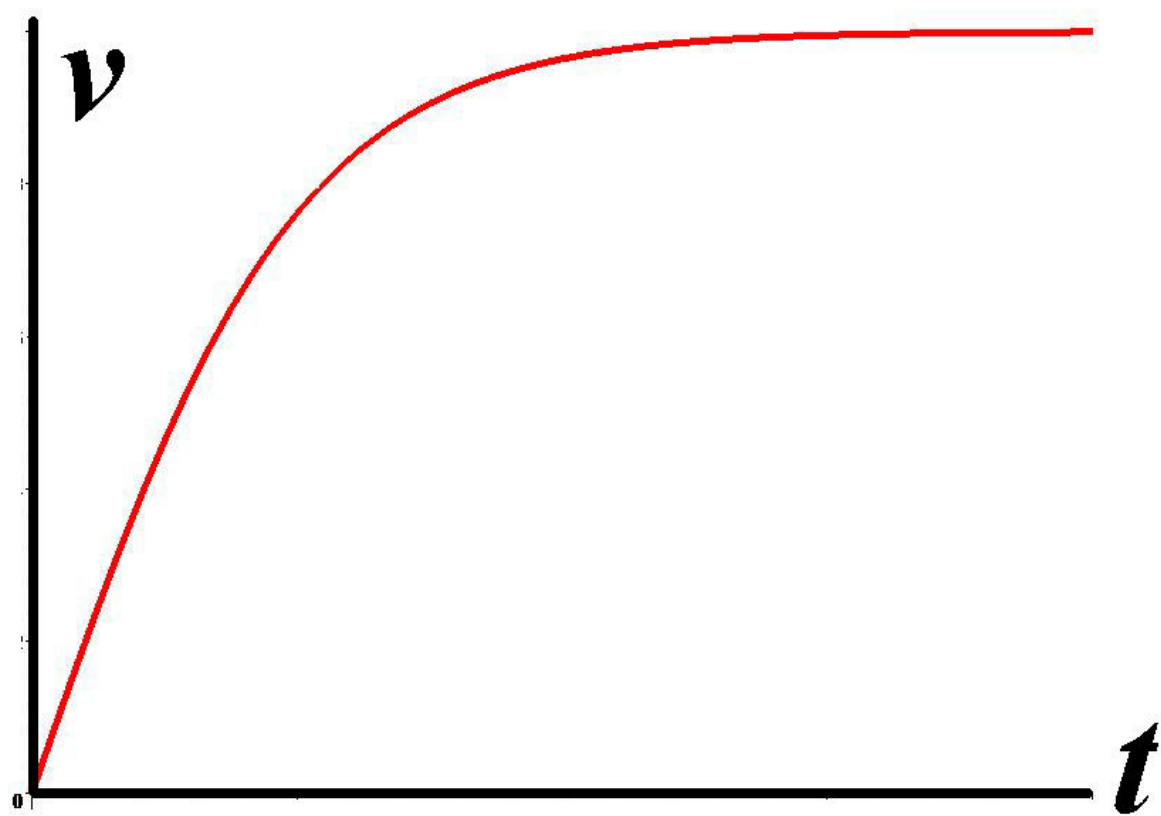


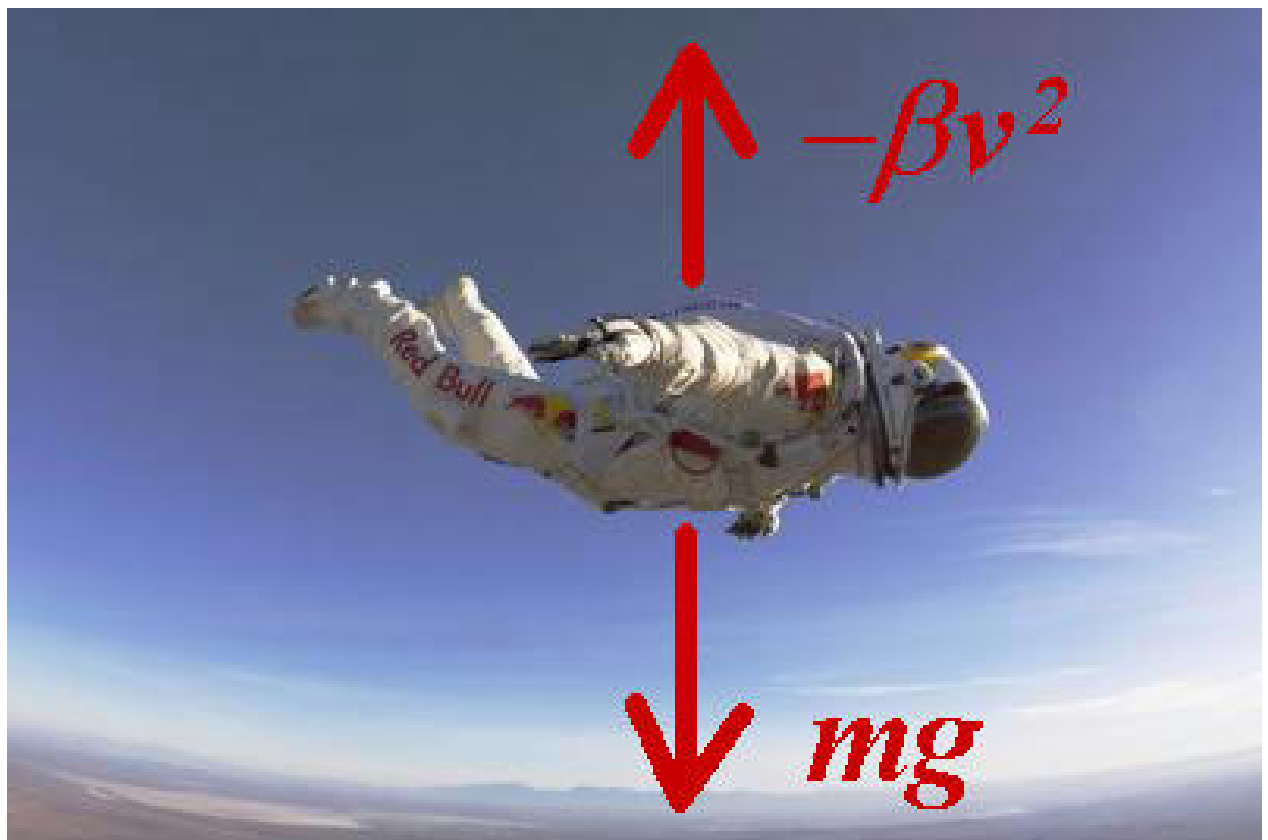
Let  $s = s(t)$  be the distance fallen from the plane



$$v = \frac{ds}{dt}$$

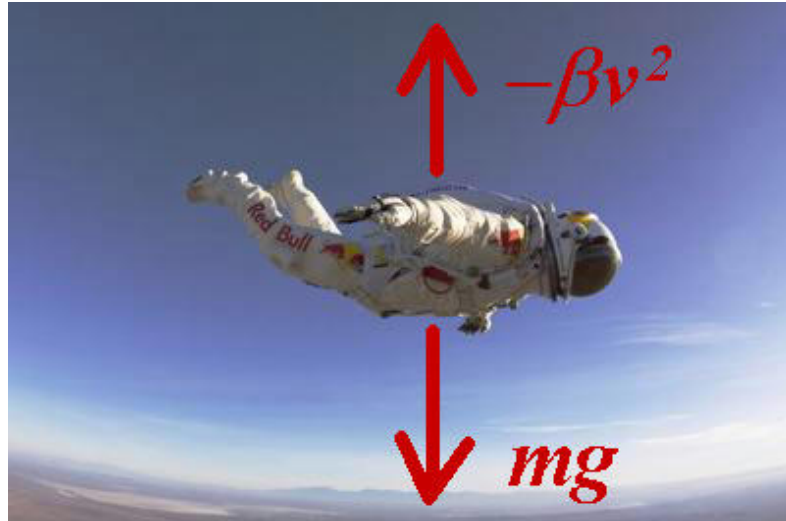






$$F = ma$$

$$mg - \beta v^2 = ma$$



$$F = ma$$

$$mg - \beta v^2 = m \frac{dv}{dt}$$

