Premo gibanje:

$\bar{v} = \frac{s}{t}$, $s = v \times t$, $s = s_2 - s_1$, $t = t_2 - t_1$

$\bar{v} = \frac{\Delta x}{\Delta t}$

Premo enakomerno:

v - konstantna

$v = v_{povprečna} = \Delta x / \Delta t = s/t$

Če $t_1 = t_2$ potem velja: $\bar{v} = \frac{v_1 + v_2}{2}$

Pospešeno gibanje:

$a = \frac{\Delta v}{\Delta t}$

Enakomerno pospešeno gibanje:

a= konstanten

v_0= začetna hitrost

$v = v_0 + a \times t$

$s = \frac{(v_0 + v) \times t}{2} = v_0 t + \frac{a \times t^2}{2}$

$at = v - v_0$

Enakomerno pojemajoče gibanje:

$\Delta v < 0 \Rightarrow a < 0$ <= pojemek

$a = \frac{\Delta v}{\Delta t} = \frac{v_2 - v_1}{t_2 - t_1}$

$v = v_0 + at$

$s = v_0 t + at^2/2$

Prosti pad:

t1:t2:t3:T4 = 1:2:3:4

h1:h2:h3:h4 = 1:4:9:16

$g = 10 m/s^2$

$s = at^2/2$

$2h = at^2$

$v = at + v^0$

$s_1 = gt^2/2$

Navpični met:

$g = -10 m/s^2$

h=s

$t = v_0/g$

$t_1 = t_2$