

--- parabola
$$y = d_0 + \alpha_1 x + \alpha_2 x^2$$

Deve passer per (a, f(a)) (m, f(m)) (b, f(b))

Compro coordinate per comodità: $\tilde{\times}$ - \times - \otimes

$$X = X - 0$$
Cerco $Y = \beta_0 + \beta_1 \tilde{X} + \beta_2 \tilde{X}^2$

passente per (0, f(a)) (H/2, f(m)) (H, f(b))

$$\tilde{x} = 0$$
 f(a) = $\beta 0$

$$f(b) = \beta_1 H + 2 f(b) - 4 f(m) + 3f(a)$$
 $\beta_1 = 4 f(m) - f(b) - 3f(a)$

$$\int \beta o + \beta_{1} \tilde{x} + \beta_{2} \tilde{x}^{2} = \beta_{0} + \beta_{1} + \beta_{1} + \beta_{2} + \beta_{2} + \beta_{3} = \beta_{(a)} + \beta_{1} + \beta_{1} + \beta_{1} + \beta_{2} + \beta_{2} + \beta_{1} + \beta_{2} + \beta_{1} + \beta_{2} + \beta_{2} + \beta_{2} + \beta_{1} + \beta_{2} + \beta_{$$

$$= \frac{H(6f@) + 12f(m) - 3f(b) - 3f(a) +}{6(6f@) + 2f(m) + 4(6)}$$

$$= \frac{H(6f@) + 2f(m) + 4(6)}{6(6)}$$

$$= \frac{H(6f@) + 4f(m) + f(b)}{6(6)}$$