Llamo	r=EI Por camo diobd.
Grilla:	$X_i = ih, i = 0, \dots, n$ $X_i \in [0, L]$
Utilizo las	diferencial finites: $Y(x) \approx \frac{Y_{i+1} - Y_{i-1}}{2h}$ $Y(x) \approx \frac{Y_{i+1} - Y_{i+1}}{2h}$
	$= \frac{1}{2} \omega_{o}(LX-X^{2}) \left(1+(Y')^{2}\right)^{\frac{3}{2}} \iff \alpha Y' + \frac{1}{2} \omega_{o}(X^{2}-LX) \left(1+(Y')^{2}\right)^{\frac{2}{2}} = 0$
	Fencios finitos: $ \frac{\propto (Y_{i+1} - 2Y_i + Y_{i-1}) + \frac{1}{2} w_o (X_i^2 - LX_i) \left(1 + \frac{(Y_{i+1} - Y_{i-1})^2}{4h^2}\right)^2 = 0 $
	$= y(0) = 0$, $y_n = y(L) = 0$:
	$= \frac{1}{h^2} \left(\frac{1}{2} - \frac{1}{2} \frac{1}{h} + \frac{1}{2} \frac{1}{4} \frac{1}{h^2} \right)^{\frac{3}{2}} = 0$
$F_i(\gamma_i \cdot \gamma_{n-1})$	$= \frac{2}{h^{2}}(Y_{i+1} - 2Y_{i} + Y_{i-1}) + \frac{1}{2}w_{o}(X_{i}^{2} - LX_{i}) + \frac{1}{4}w_{o}^{2}(Y_{i+1} - Y_{i-1})^{2}) = 0$
	$=\frac{4}{h^{2}}\left(-2\frac{1}{2}+\frac{1}{2}+\frac{1}{2}\omega_{0}\left(\frac{1}{2}-\frac{1}{2}-\frac{1}{2}\right)\left(\frac{1}{4}+\frac{1}{2}\frac{1}{2}\right)^{\frac{3}{2}}=0$

