Scribe

D M A

	0	1	2	3	4
0	1	0	0	0	0
1	0	1	0	0	0
2	0	0	1	0	0
3	0	0	0	1	0
4	0	0	0	0	1

Polinomios de Legendre

74 - Métodos.

Método Newton- Raphson

$(y - y_0) = \frac{df}{dx}(x - x_0)$

$y - y_0 = \frac{df}{dx}(x - x_0)$

$y - f(x) = \frac{df}{dx}(x - x_0)$

$\frac{-f(x)}{dF} = x - x_0$

$x_0 - \frac{f(x)}{dF} = x$

6.

$x^3(3x^2 + 5x - 1) = 0$

$3x^2 + 5x - 1 = 0$

$(3x - 1)(x + 1)$

$(3x - 1)(x + 2)$

$3x^2 + 6x - x - 2$

$3x^2 + 5x - 2$

1. $\bar{T} = (-3, 2)$ $\bar{R} = (2, -2)$

Ley de Snell $n_0 \sin(\alpha_0) = n_1 \sin(\alpha_1)$

$t(x) = n_0 \sqrt{(x - x_1)^2 + y^2} + n_1 \sqrt{(x - (x_2)^2 + y_2^2)}$

$T \cdot H = \frac{0}{T}$ $T = \frac{d}{v}$

$t(x) = R_1 = \frac{\sqrt{(x - x_1)^2 + y^2}}{v} + R_2$

$R_2 = \sqrt{(x - x_1)^2 + }^2$

$\sqrt{z^2 +}$

$v = \frac{d}{t}$

6 =

$y = -0.055\,x^2 + 0.3\,x$

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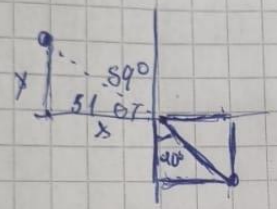

π rad · 180
1 · x

$y = v_0 t + \frac{1}{2} a t^2$

$x = v \cos\alpha\, t$

$y = v \sin\alpha\, t - \frac{1}{2} g t^2 + h$

$y = \frac{v \sin\alpha}{\cos\alpha} x - \frac{1}{2} \frac{g x^2}{v^2 \cos^2\alpha} + h$

$y = x \tan\alpha - \frac{g x^2}{2 v^2 \cos^2\alpha} + h$

$\tan\theta = \frac{2}{3.316}$; $\arctan\theta = \arctan$

$2 - 0.316$

$\frac{1.684}{2}$

$\tan\alpha = 0.363$

$\alpha_0 = 59$

$-0.05 =$

$\frac{1}{1.23} = \frac{\sin(40)}{\sin(60)}$

$v^2 \cdot -0.05 = -\frac{1}{2} \cdot 9.8 \cdot v^2$

$v^2 \cos^2\alpha$

$0.7518 = \frac{2.642}{0.806}$

$\frac{n(n+1)}{n(n-1)}^{m}$

$\frac{e^x}{n!}(n+1)\,x^{n-1}e^{-x} - x^n e^{-x})$

$-\frac{1}{2} g t^2$