



Happy

Segways

0.9r

The Mona Plane

y

0.9y



Rotations, translations and some basic geometrv also occur

A RO?

.pi .ne rea number: !!! t3 = t1 + s*(t2-t1);theta3 = 2*atan(exp(t3)); x3pp = cos(theta3); d3pp = sin(theta3); Ops used. + -, ×, ÷, ,/ x3p = x0 + r*x3pp; cos, sin, tan, arccos. p3.x = p2.x + a*x3p; arctan, log. p3.y = p2.y + b*x3p; exp.

despis

r = sqrt((x1p-x0)*(x1p-x0)+d1*d1)

x1pp = (x1p-x0)/r; x2pp = -x0/r;

theta1 = acos(x1pp);

theta2 = acos(x2pp);

p3.d = r*d3pp;

t1 = log(tan(theta1/2));

t2 = log(tan(theta2/2));