

DATA TYPES IN UNDERLYING ALGEBRA

DEFINITIVE NOTATION FOR LINE DRAWING

```

%donald
viewport speedo
point ptr
line needle, leftMargin, rightMargin
real needleLength
needleLength = 100.0
real minA, maxA, A
real pi, ratio
real curSpeed, topSpeed
pi = 3.1416
minA = 4 * pi div 3
maxA = -pi div 3
leftMargin = [{0,0}, {needleLength @ minA}]
rightMargin = [{0,0}, {needleLength @ maxA}]
needle = [{0,0}, {needleLength @ A}]
A = minA + (maxA - minA) * curSpeed div topSpeed
.....

```

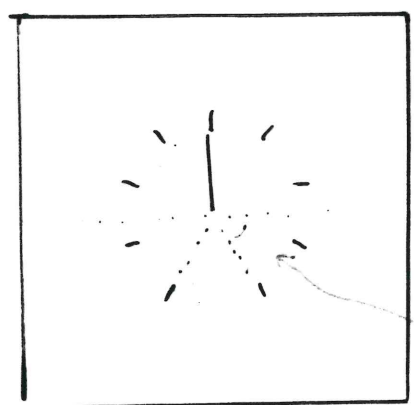
VARIABLES

POLAR COORDS.



DRIVEN BY SIMULATION

DEFINITIONS
MAKING UP
A SCRIPT



maxA
CHOSEN BY
DESIGN

" SEMANTICS OF GEOMETRIC SYMBOL DEFINED
 BY SET OF INDIVISIBLE ATOMIC TRANSFORMATIONS
 THAT CAN BE PERFORMED ON IT "

