**Instruction**

***Variable’s:***

**r** - radius, **p** - pitch,

**s** - resolution, **n** - revolutions

**t** - counter variable, (default value 0)

***Formula Input:***

Utilize python “Equation Interpreter”

It can be: const,cos(x),sin(x),t^x,pi,e …

***Calculation methods:***

**Radius**: the formula calculates the radius size. Then internally it’s converted to X, Y points with the following formulas

x = radius \*cos(2\*pi\*t/resolution)

y = radius \*sin(2\*pi\*t/resolution)

**Pitch**: the formula is calculated directly. The result translates directly to Z axis.

**[t]** - variable that count from 0 (by default) to Resolution\*Revolutions+1.

**[Tr]** - steps for **[t]** radius

**[Tp]** - steps for **[t]** pitch

**start counting at** – configure **[t]** counter starting point. (Accept variable’s [r,p,s,n])

***Accumulator (pitch only):***

[sum of previous results] +

([current result] \* [pitch formula])

Where [current results] initial value is pitch

***Message Output:***

Output warning/error messages