Frequency Distribution

The purely synthetic aspect of ***Hyperupic*** is its frequency distribution. Currently, there are two frequency distribution schemes:

Harmonic Series
Scale

Which both employ the two parameters:

Frequency Differntial
Frequency Offset

The harmonic series is specfied by:

Frequency:n = [Frequency Offset] + ([Frequency Differential] * n)

where n is the pixel offset of either the x or y dimension.

The scale distribution is specified by:

Frequency:0 = [Frequency Offset]
Frequency:n = [Frequency:n-1] * [Frequency Differential]

To view a prospective frequency distribution, either load an image, or enter coordinate values in the **x: y:** fields on the ***Hyperupic*** window; enter the appropriate frequency diiferential and offset values; then depress:

Display Frequencies

I tend to prefer the scale distribution.   I have less traditional frequency distribution generators in the works.   Also, holler if you want the ability to load your own frequency distribution tables.   It is a trivial addition to this system.