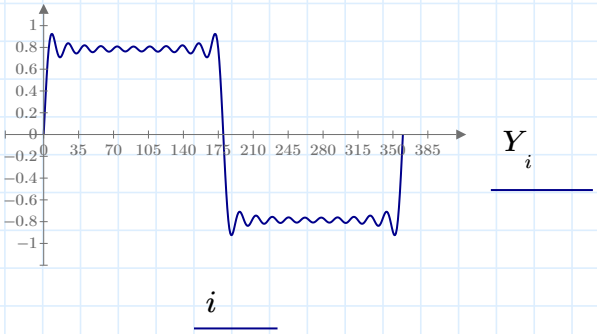
Make data

$i := 0..360 \qquad j := 1,3..21$

$y_{i,j} := \frac{1}{j} \cdot \sin\left(j \cdot \frac{i}{360} \cdot 2 \cdot \pi\right) \qquad Y_i := \sum_{j=1}^{11} y_{i,2\cdot j-1}$

$$y = \begin{bmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0.017 & 0 & 0.017 & 0 & 0.017 & 0 & 0.017 & 0 & 0.017 & 0 & 0.017 \\ 0 & 0.035 & 0 & 0.035 & 0 & 0.035 & 0 & 0.035 & 0 & 0.034 & 0 & 0.034 \\ 0 & 0.052 & 0 & 0.052 & 0 & 0.052 & 0 & 0.051 & 0 & 0.05 & 0 & 0.05 \\ 0 & 0.07 & 0 & 0.069 & 0 & 0.068 & 0 & 0.067 & 0 & 0.065 & 0 & 0.063 \\ 0 & 0.087 & 0 & 0.086 & 0 & 0.085 & 0 & 0.082 & 0 & 0.079 & 0 & 0.074 \\ 0 & 0.105 & 0 & 0.103 & 0 & 0.1 & 0 & 0.096 & 0 & 0.09 & 0 & 0.083 \\ & & & & & & & & & & & \ddots \end{bmatrix}$$



$Rec_{i + floor\left(\frac{j}{2}\right) \cdot 360} := \begin{bmatrix} i & j & y_{i,j} \end{bmatrix} \qquad Rec = \begin{bmatrix} [1 \times 3] \\ [1 \times 3] \\ \vdots \end{bmatrix}$

$$Rec_{ALL} := \left\| \begin{array}{l} \text{for } i \in 0..3960 \\ \quad \left\| \begin{array}{l} \text{for } j \in 0..2 \\ \quad \left\| Ans_{i,j} \leftarrow \left(\left(Rec_i\right)^T\right)_j \right. \end{array} \right. \\ \text{return } Ans \end{array} \right.$$

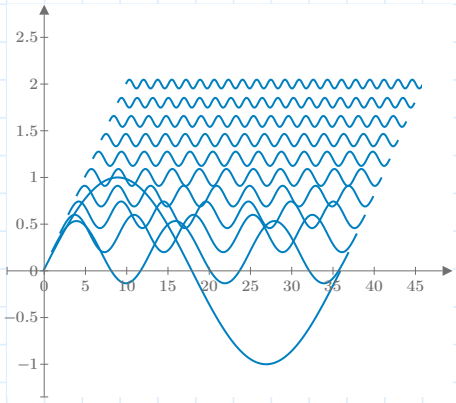
$$Rec_{ALL} = \begin{bmatrix} 0 & 1 & 0 \\ 1 & 1 & 0.017 \\ & & \vdots \end{bmatrix}$$

$i := 1,3..\text{cols}(y) - 1 \qquad j := 0..\text{rows}(y) - 1 \qquad xrange_j := \frac{j}{10} - 5$

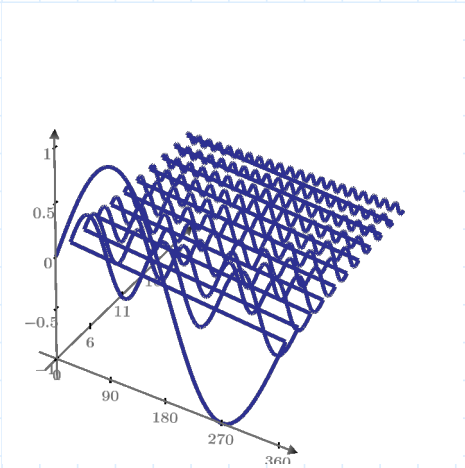
$xoffset := 0.5 \qquad yoffset := 0.1$

$xo^{\langle i \rangle} := xrange + i \cdot xoffset + 4.4 \qquad yo^{\langle i \rangle} := y^{\langle i \rangle} + (i-1) \cdot yoffset$

yo



xo



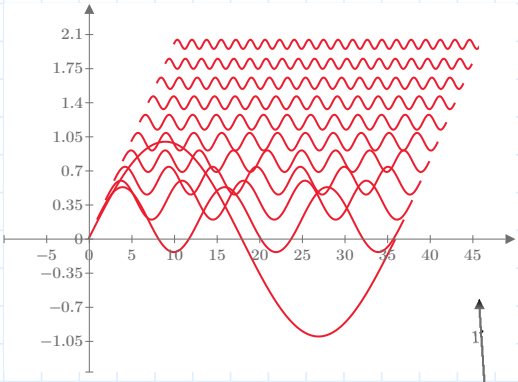
Rec_{ALL}

$empty := 0 .. 1$

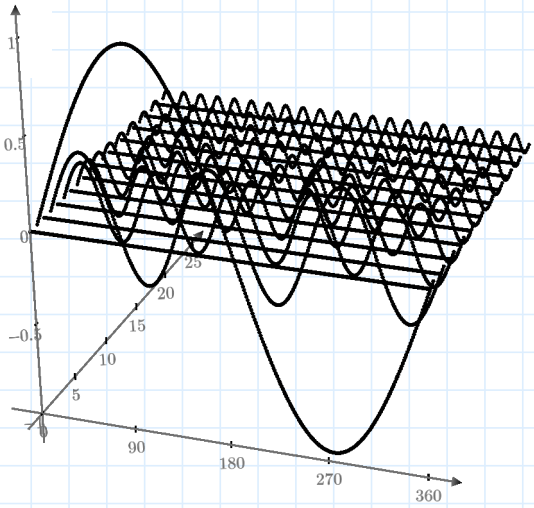
$yo_{empty, 12} := NaN$

$yo7_{empty + 83, 15} := NaN$

yo



xo



y