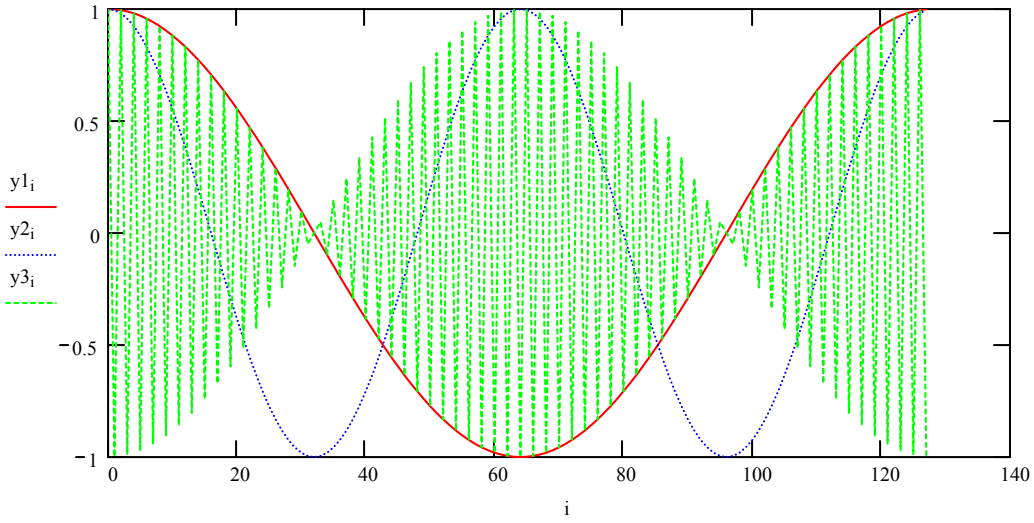
F13FTDISC2S **The cos-function shows "mirror" symmetry around the middle of the interval, at the beginning and at the end.**

Length interval is 1,2,3...

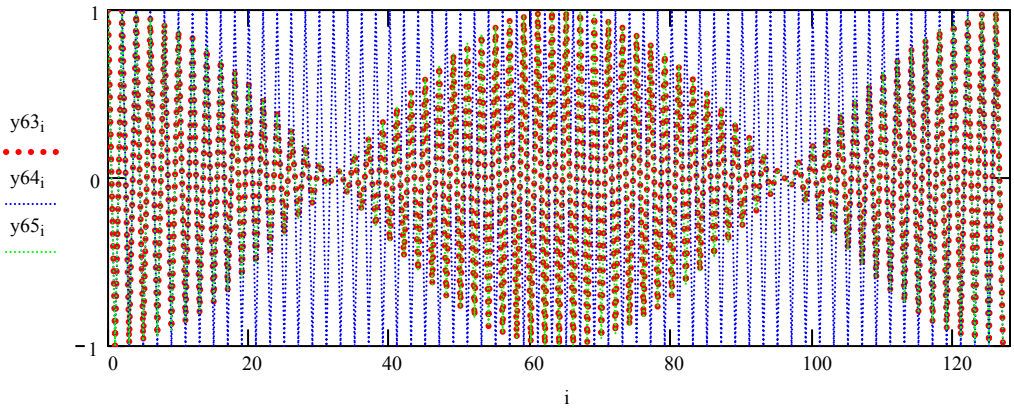
1. Frequencies f = 1/128, 2/128, 3/128

$$y1_i := \cos\left(2\cdot\pi\cdot\frac{1}{128}\cdot i\right) \qquad y2_i := \cos\left(2\cdot\pi\cdot\frac{2}{128}\cdot i\right) \qquad y3_i := \cos\left(2\cdot\pi\cdot\frac{63}{128}\cdot i\right) \qquad i := 0 .. 127$$



2. Frequencies f = 63/128, 64/128, 65/128

$$y63_i := \cos\left(2\cdot\pi\cdot\frac{63}{128}\cdot i\right) \qquad y64_i := \cos\left(2\cdot\pi\cdot\frac{64}{128}\cdot i\right) \qquad y65_i := \cos\left(2\cdot\pi\cdot\frac{65}{128}\cdot i\right)$$



3. Expended graph

$$j := 20 .. 50$$

$$y63_j := \cos\left(2\cdot\pi\cdot\frac{63}{128}\cdot j\right) \quad y64_j := \cos\left(2\cdot\pi\cdot\frac{64}{128}\cdot j\right) \quad y65_j := \cos\left(2\cdot\pi\cdot\frac{65}{128}\cdot j\right)$$