FFT

```
a := 10
b := 20
c := 30
d := curve2d \left( 3 \cdot cos \left( 2 \cdot \pi \cdot a \cdot x + 0.2 \right) + cos \left( 2 \cdot \pi \cdot b \cdot x - 0.3 \right) + 2 \cdot cos \left( 2 \cdot \pi \cdot c \cdot x + 2.4 \right), x, 0, 1499, 1500 \right)
e:=col2vec(d, 0)
f := col2vec(d, 1)
h := fft1(f)
p1 := | h |
p2 := vec2mat cols (e , p1)
                                                                              FFT
                         3200
                         2800
                         2400
                         2000
                          1600
                          1200
                           800
                           400
                          -400
                                                         400
                                                                         600
                                                                                 700
                                                                                                        1000
                                                                                                                1100 1200 1300
```