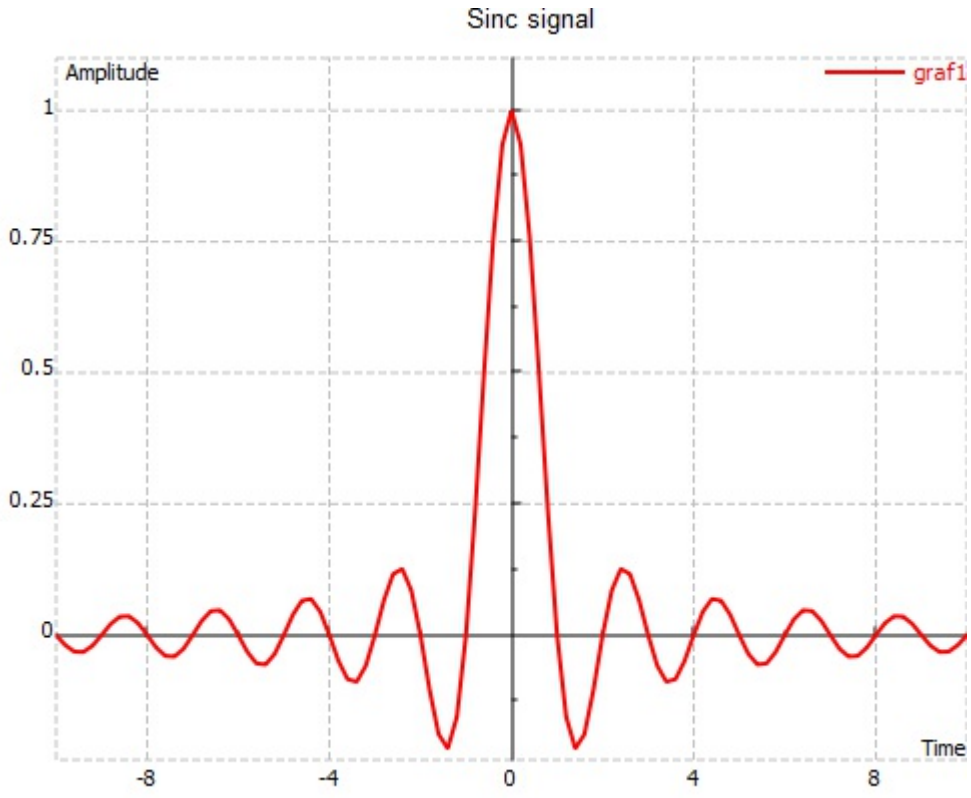
Basic shapes

In the following example we'll illustrate MatDeck's functions used to generate basic shapes which are used in digital signal processing.

```
Dt := curve2d(x , -10 , 10 , 101)    Time axis generated
dt := col2vec(Dt , 0)
```

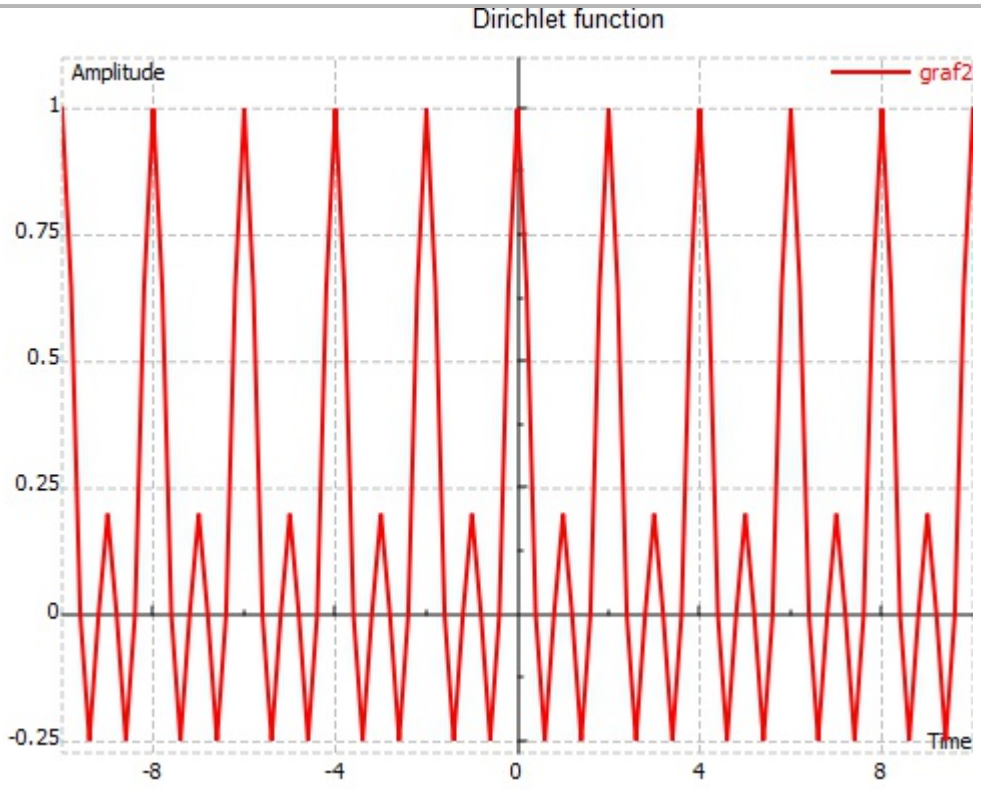
Sinc function

```
y := sinc(dt)    Sinc function calculated
graf1 := join mat cols(dt , y)    Graph of the sinc signal
```



Dirichlet function

```
y11 := diric(dt , 5)    Dirichlet function calculated
graf2 := join mat cols(dt , y11)    Graph of the Dirichlet function
```



Square signal

y2 := square(dt) Square signal calculated

graf3 := join mat cols(dt , y2) Graph of the square signal