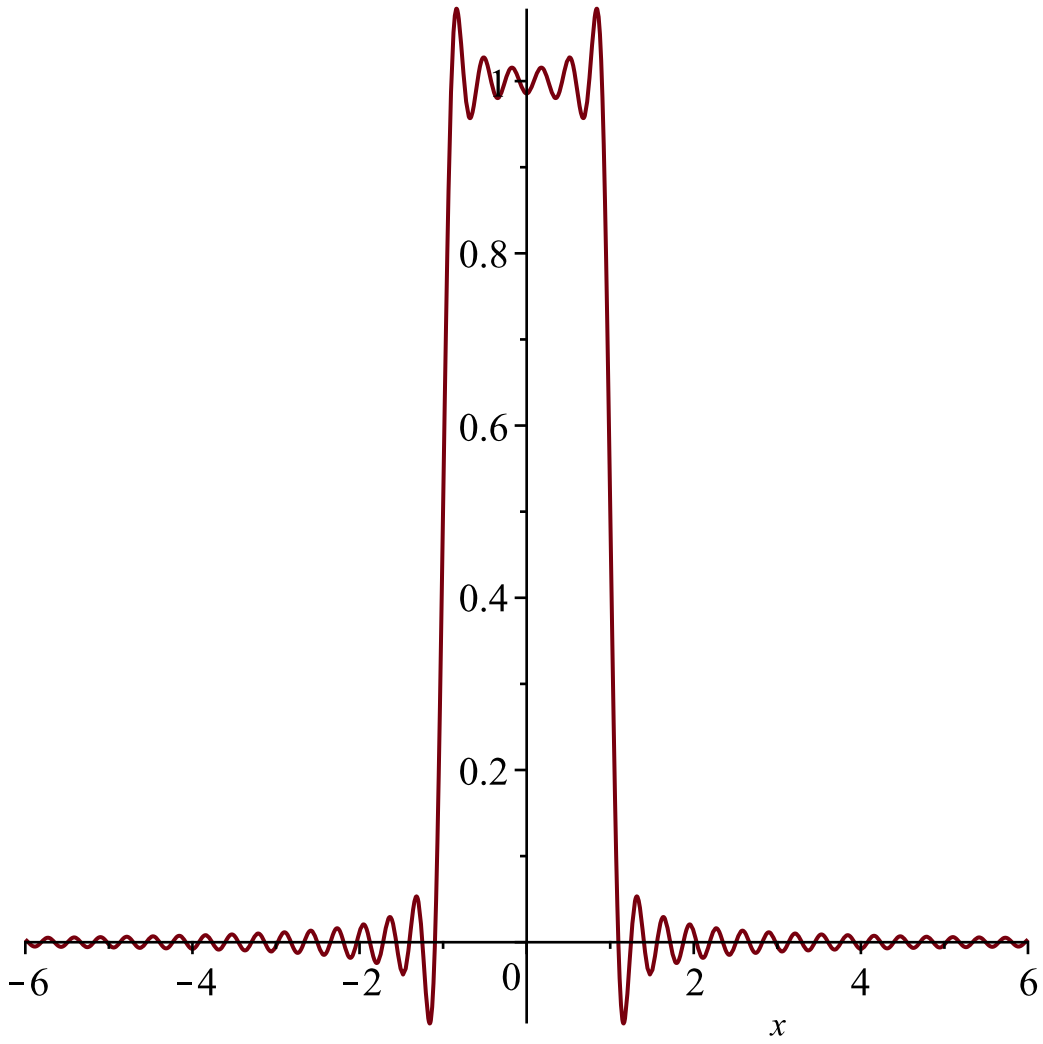
```
> u := (x,B) -> (2/Pi)*int( sin(w)*cos(w*x)/w,w=0..B);
```

$$u := (x, B) \to \frac{2\left(\int_0^B \frac{\sin(w)\,\cos(w\,x)}{w}\,dw\right)}{\pi} \tag{1}$$

```
> plot(u(x,20),x=-6..6);
```




```
> int( sin(w)/w,w=0..infinity);
```

$$\frac{1}{2}\,\pi \tag{2}$$

```
> Digits := 50;
```

$$Digits := 50 \tag{3}$$

```
> evalf(Pi);
```

$$3.1415926535897932384626433832795028841971693993751 \tag{4}$$

```
> evalf(Int( sin(w^2)*cos(w)/w,w=0..10));
```

$$0.54031640737912334673575041773470104536138363530463 \tag{5}$$