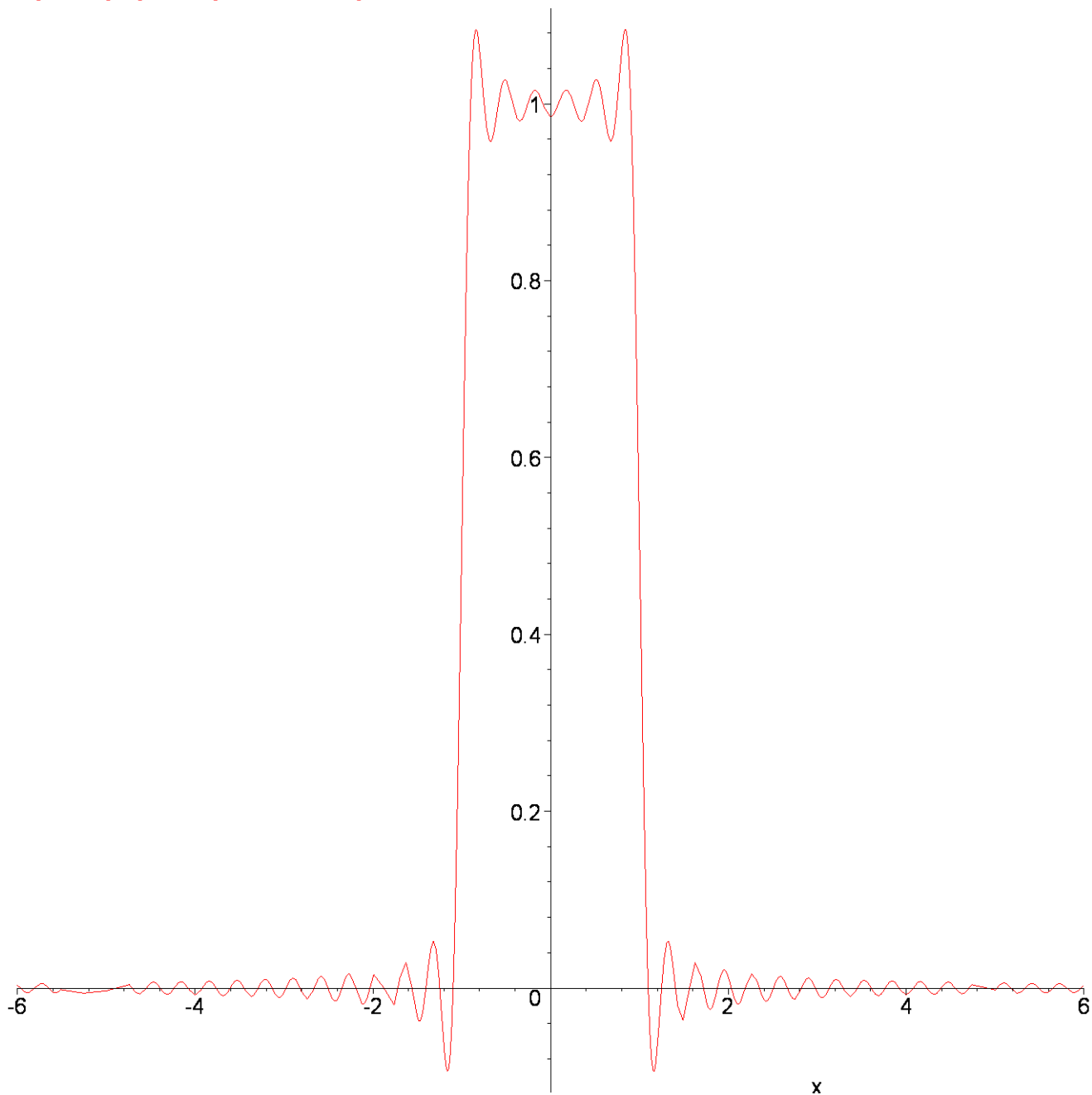


```
> u := (x,B) -> (2/Pi)*int( sin(w)*cos(w*x)/w,w=0..B);
```

$$u := (x, B) \rightarrow \frac{2}{\pi} \int_0^B \frac{\sin(w) \cos(w x)}{w} dw$$

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



```
> int( sin(w^2)*cos(w*x)/w,w);
```

$$\int \frac{\sin(w^2) \cos(w x)}{w} dw$$

```
[ > Digits := 50;
                                     Digits := 50
[ > evalf(Pi);
                                     3.1415926535897932384626433832795028841971693993751
[ > evalf(Int( sin(w^2)*cos(w)/w,w=0..10));
                                     0.54031640737912334673575041773470104536138363530463
```