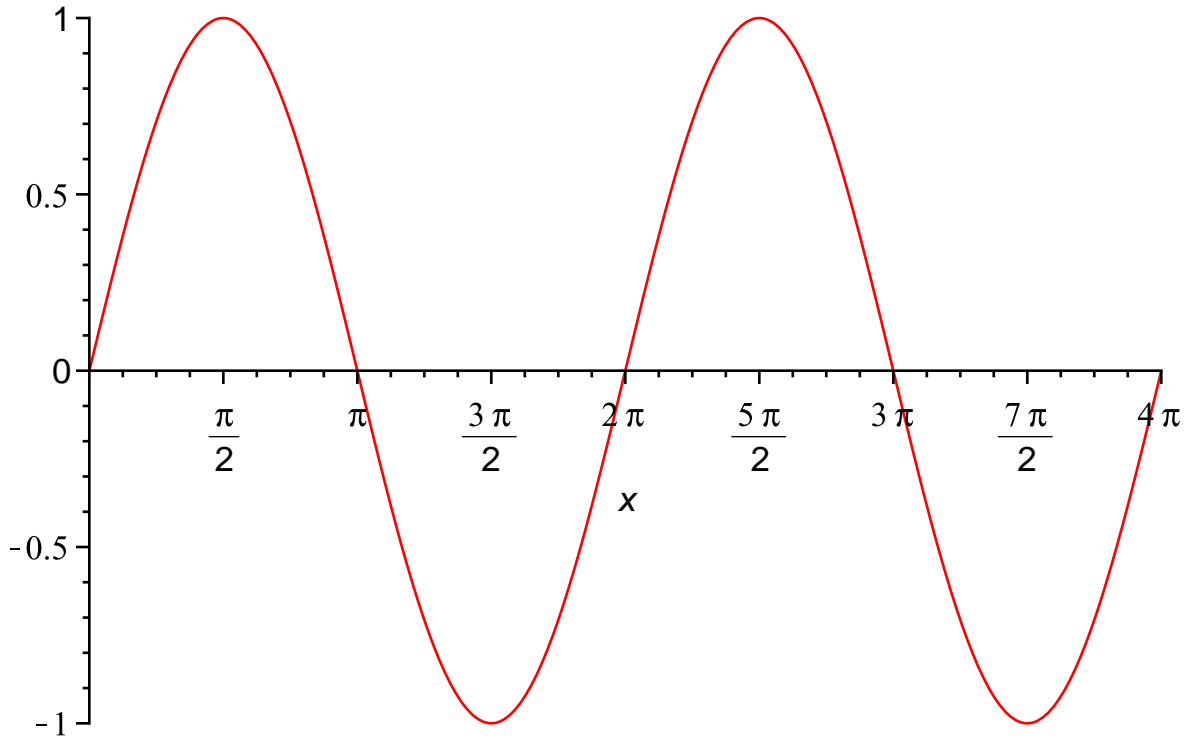
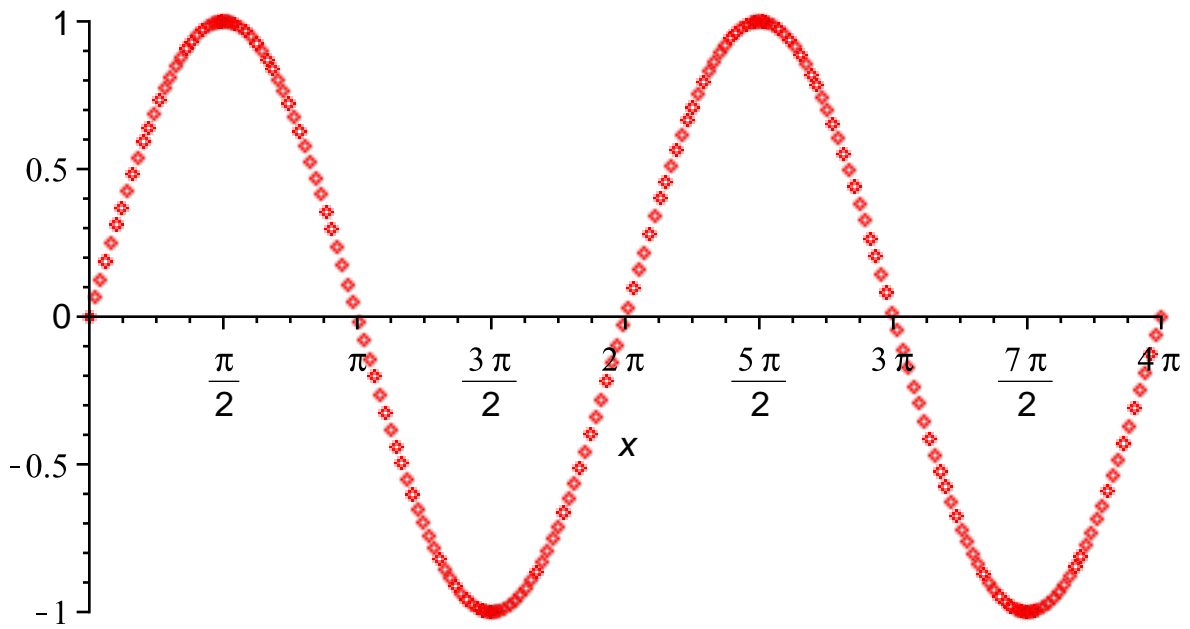


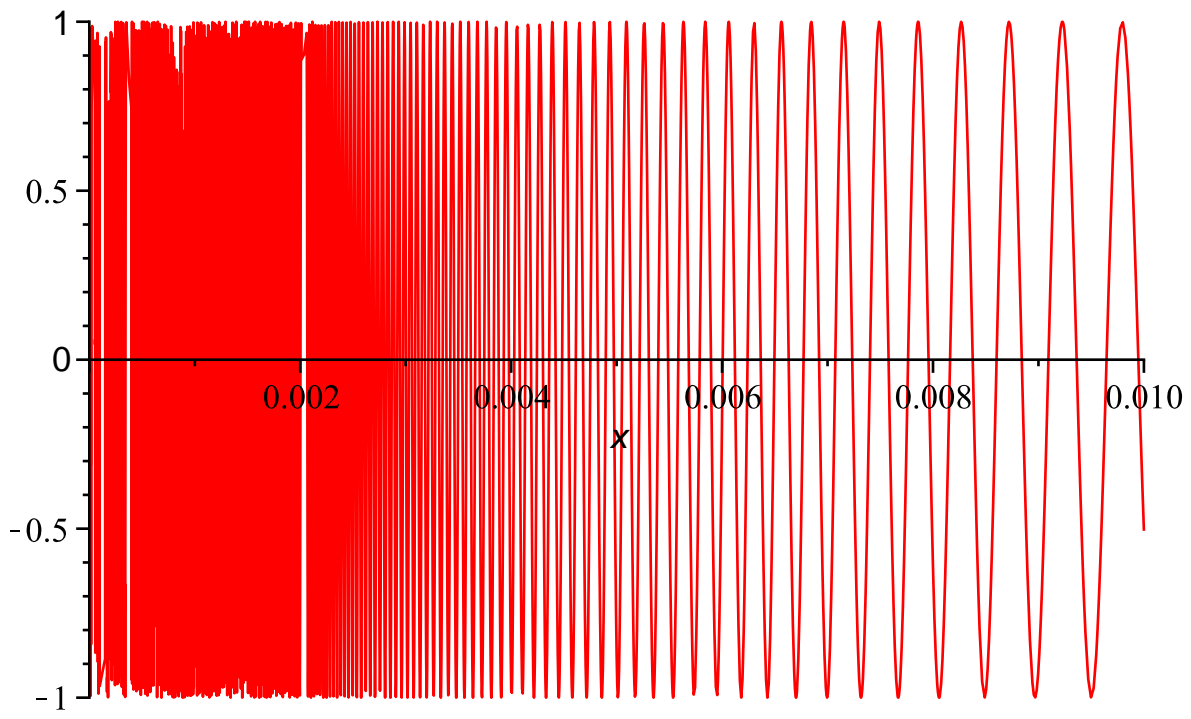
```
> plot(sin(x),x=0..4*Pi);
```



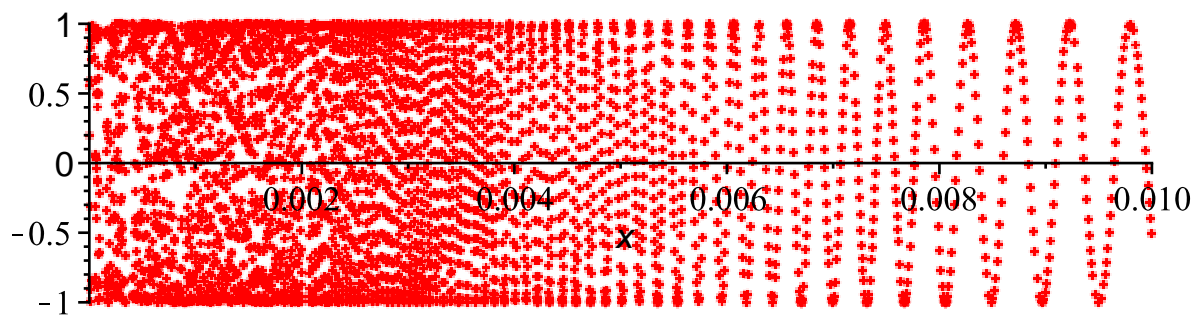
```
> plot(sin(x),x=0..4*Pi,style=point);
```



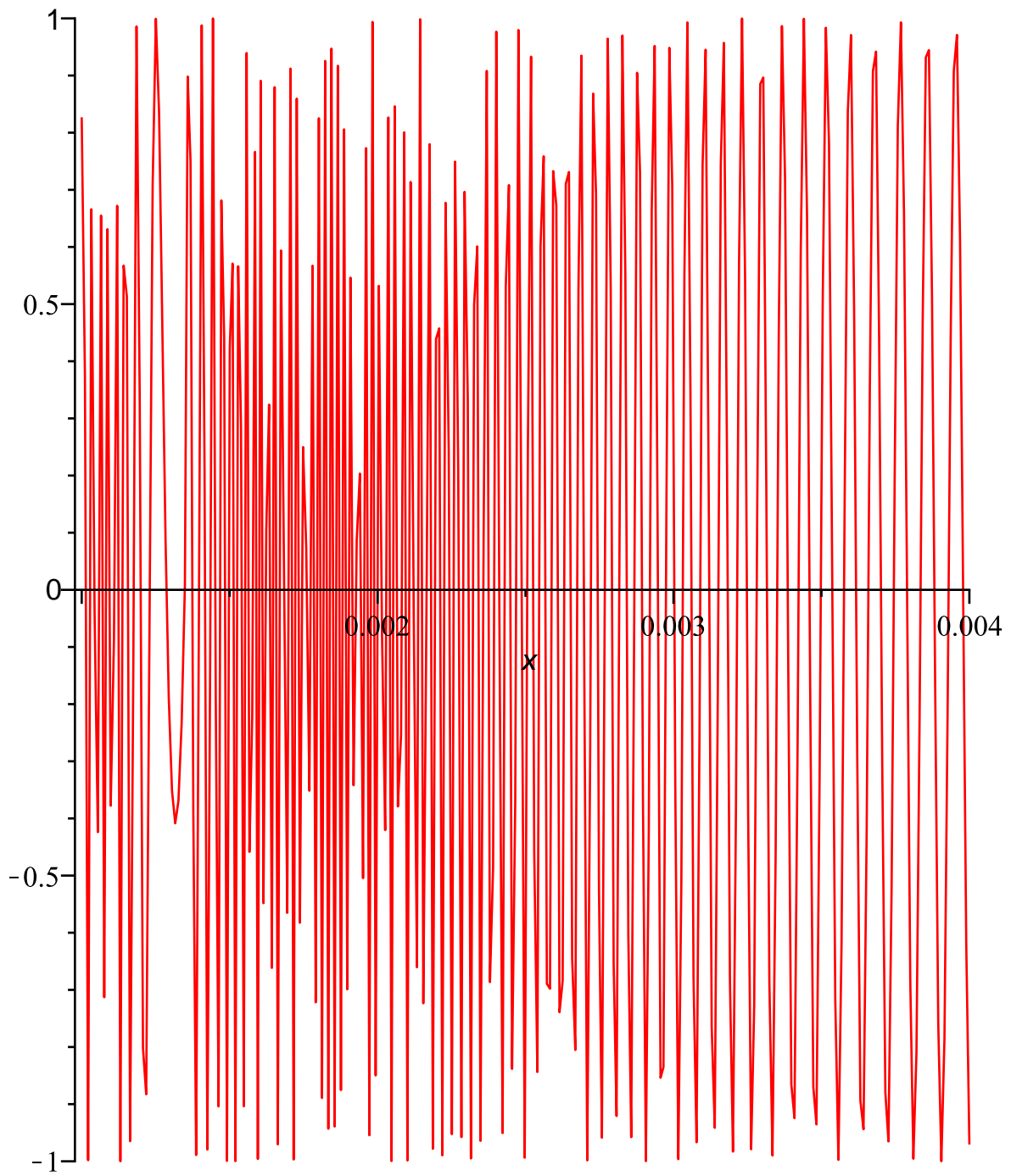
```
> plot(sin(1/x),x=0..0.01);
```



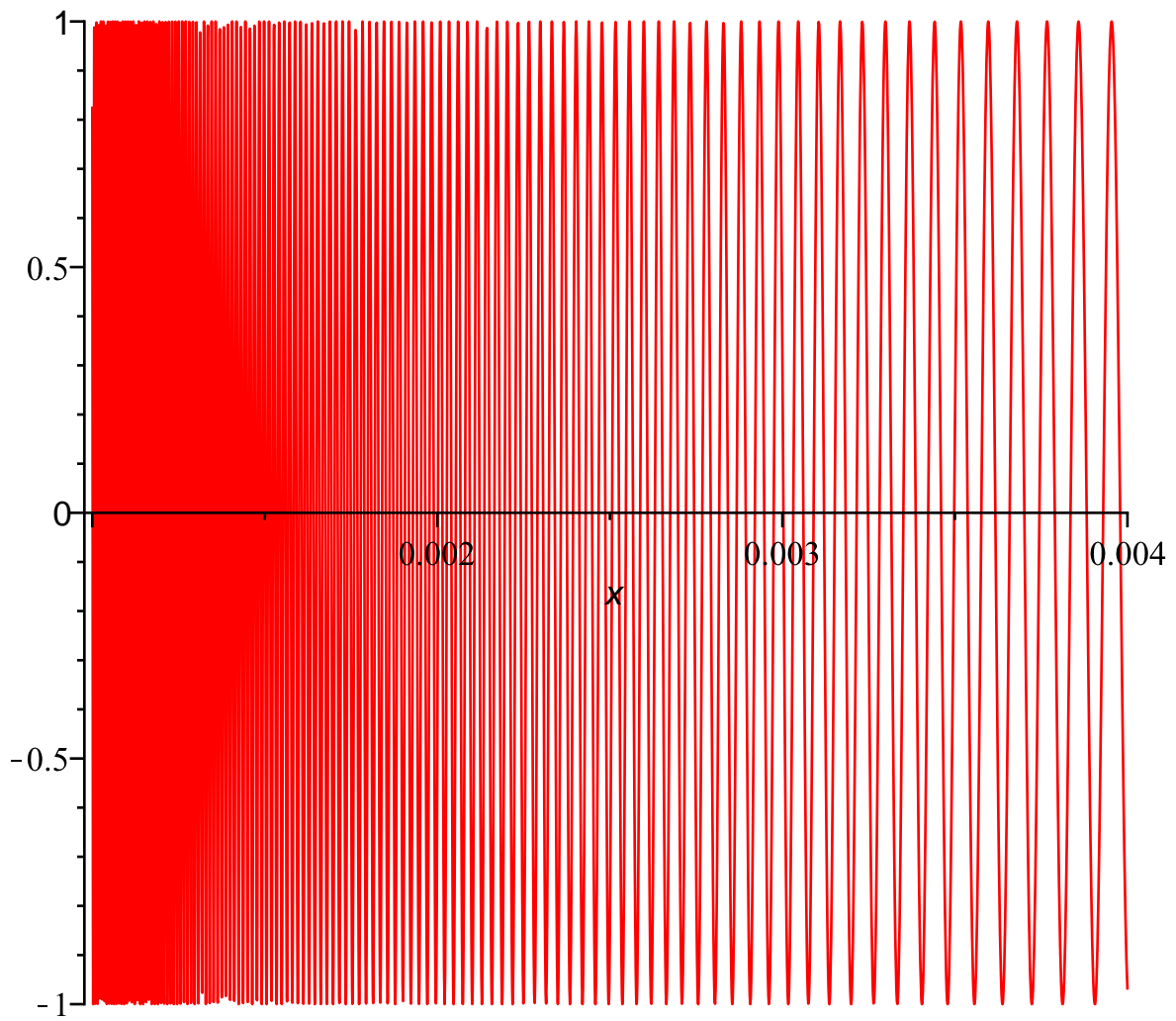
```
> plot(sin(1/x),x=0..0.01,style=point);
```



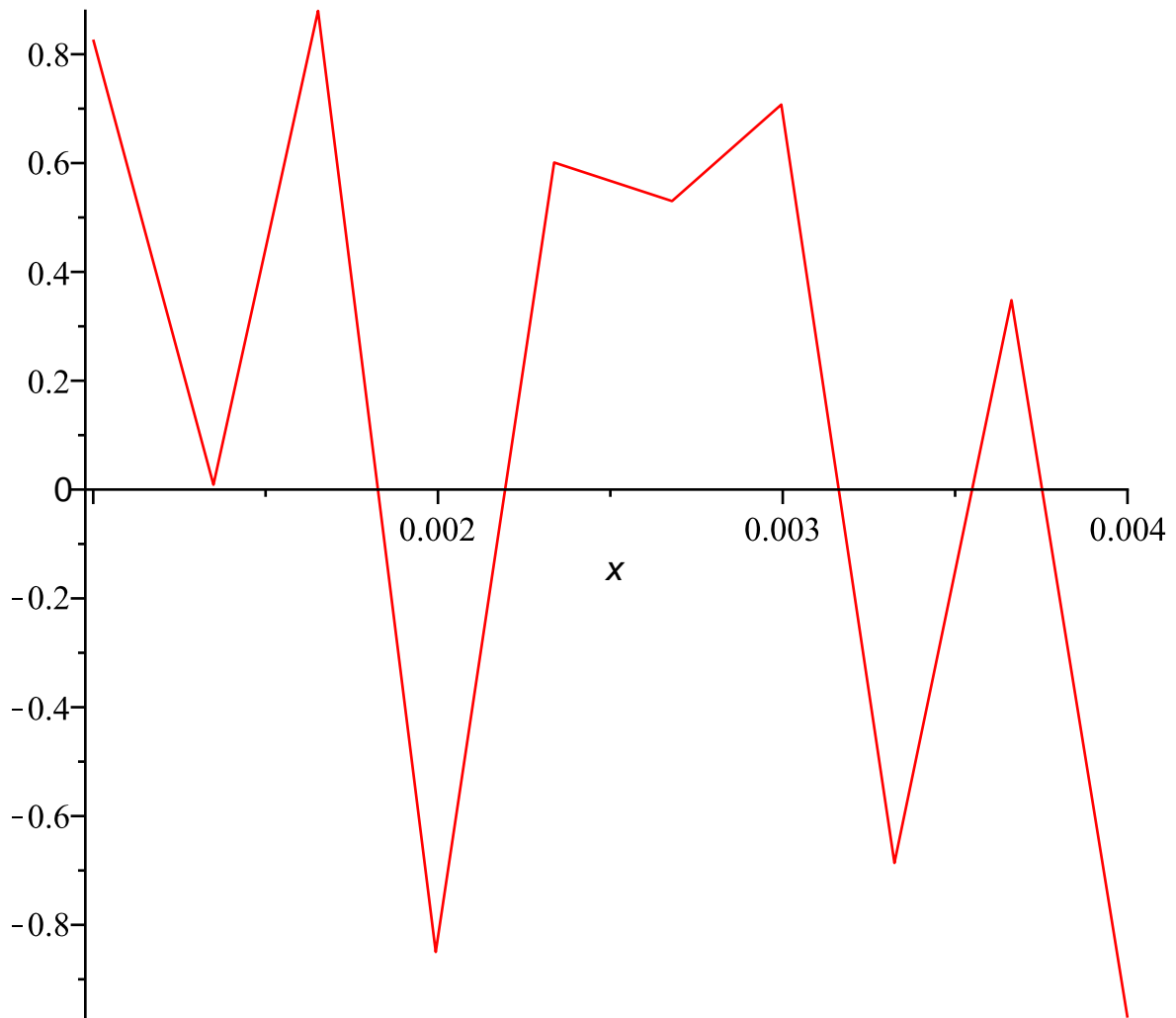
```
> plot(sin(1/x),x=0.001..0.004,numpoints=10);
```



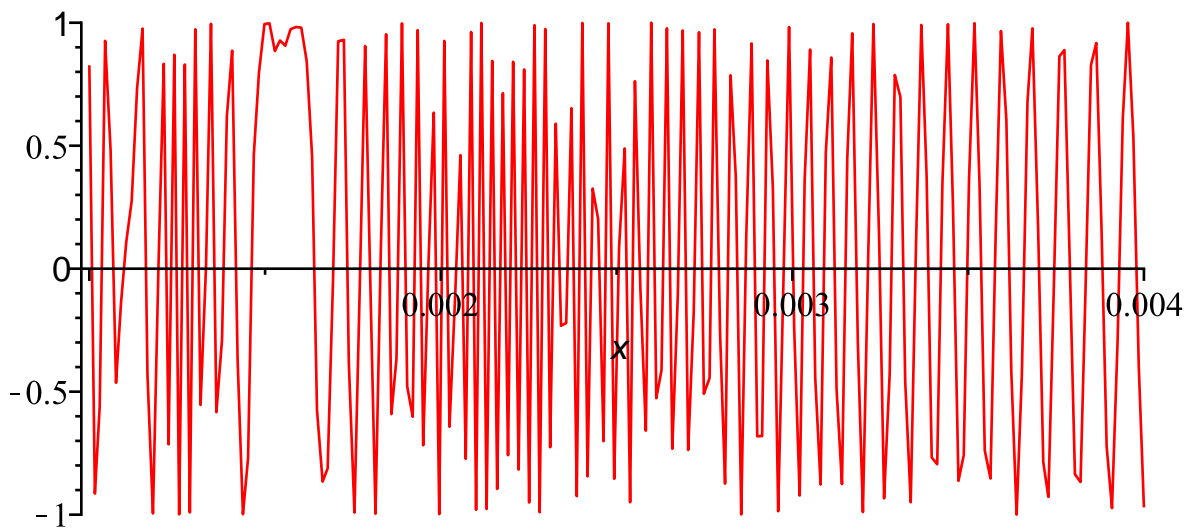
```
> plot(sin(1/x),x=0.001..0.004,numpoints=1000);
```



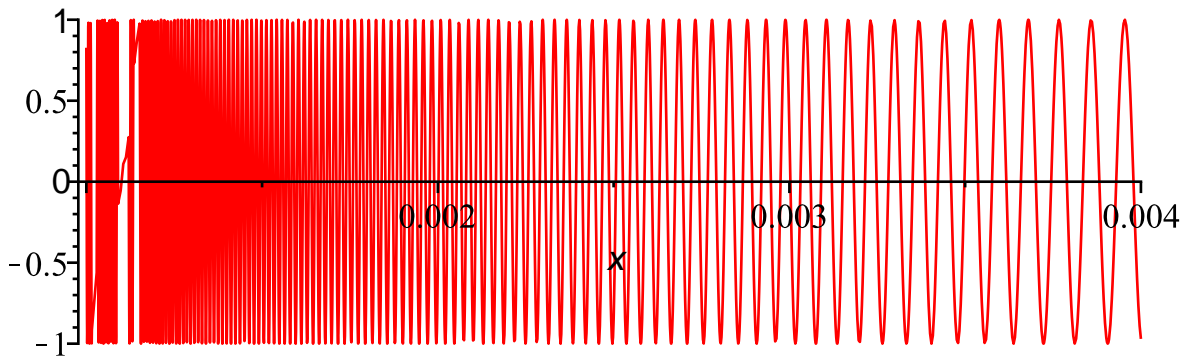
```
> plot(sin(1/x),x=0.001..0.004,numpoints=10,adaptive=false);
```



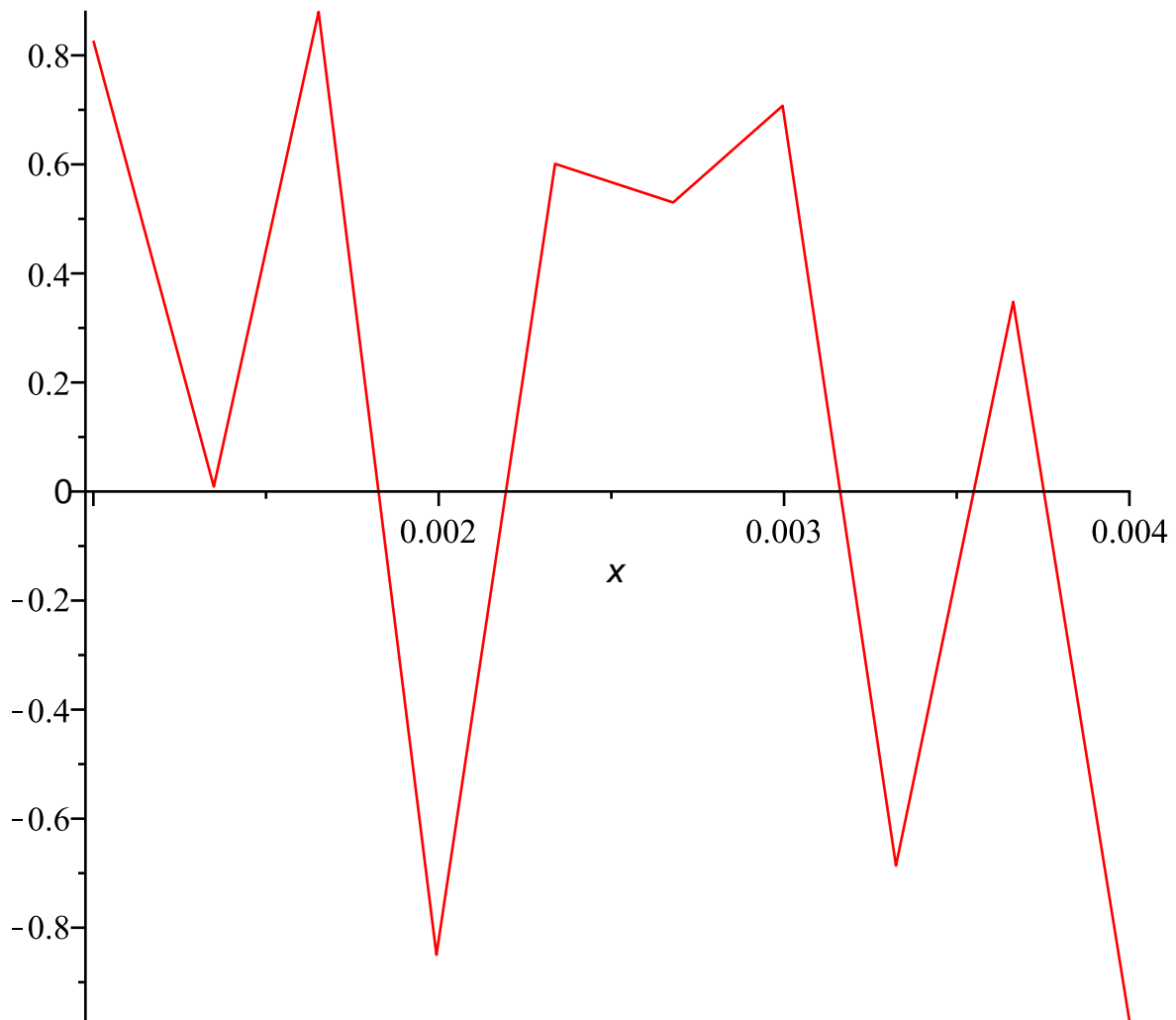
```
> plot(sin(1/x),x=0.001..0.004,adaptive=false);
```



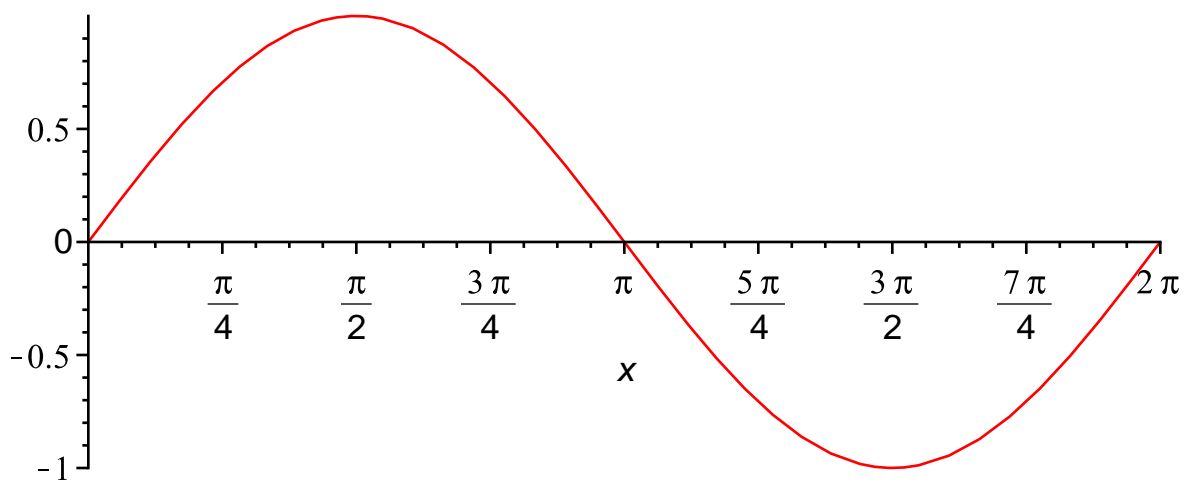
```
> plot(sin(1/x),x=0.001..0.004);
```



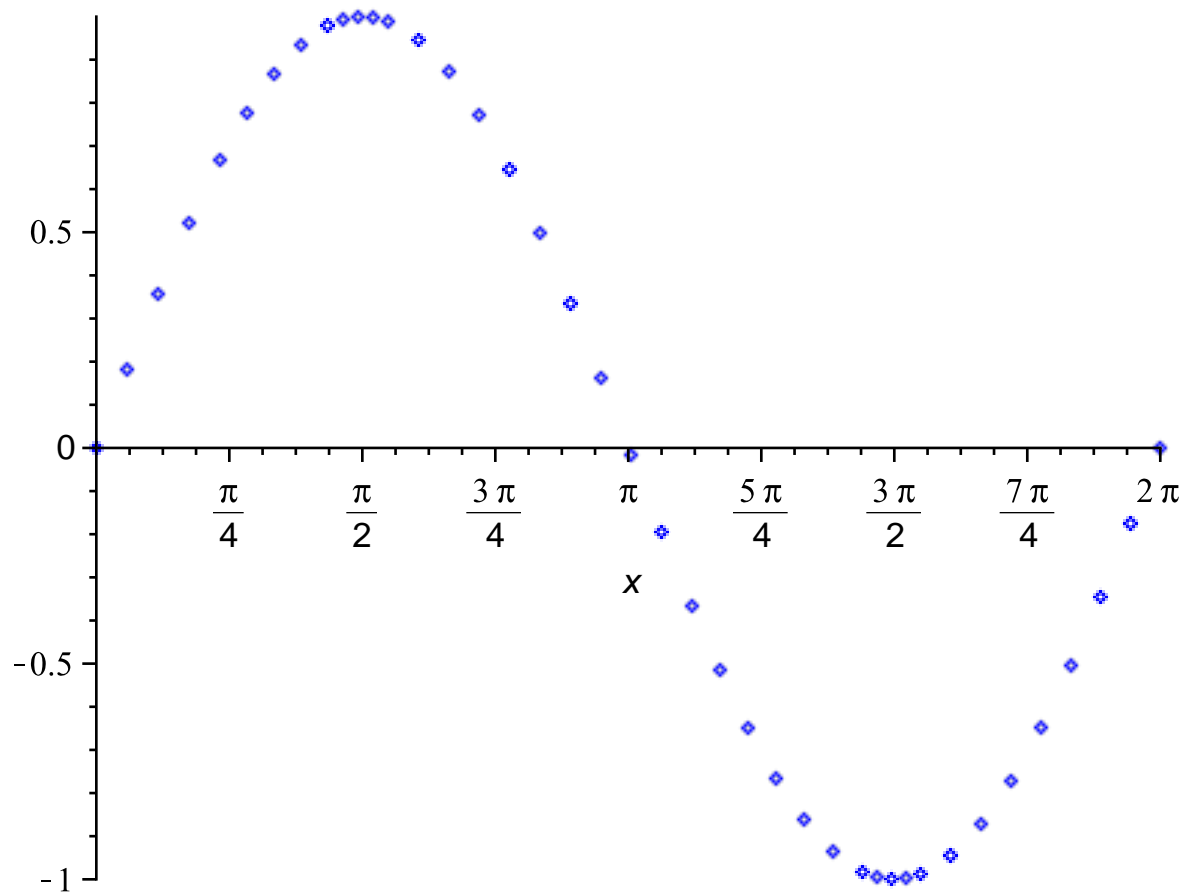
```
> plot(sin(1/x),x=0.001..0.004,adaptive=false,numpoints=10);
```



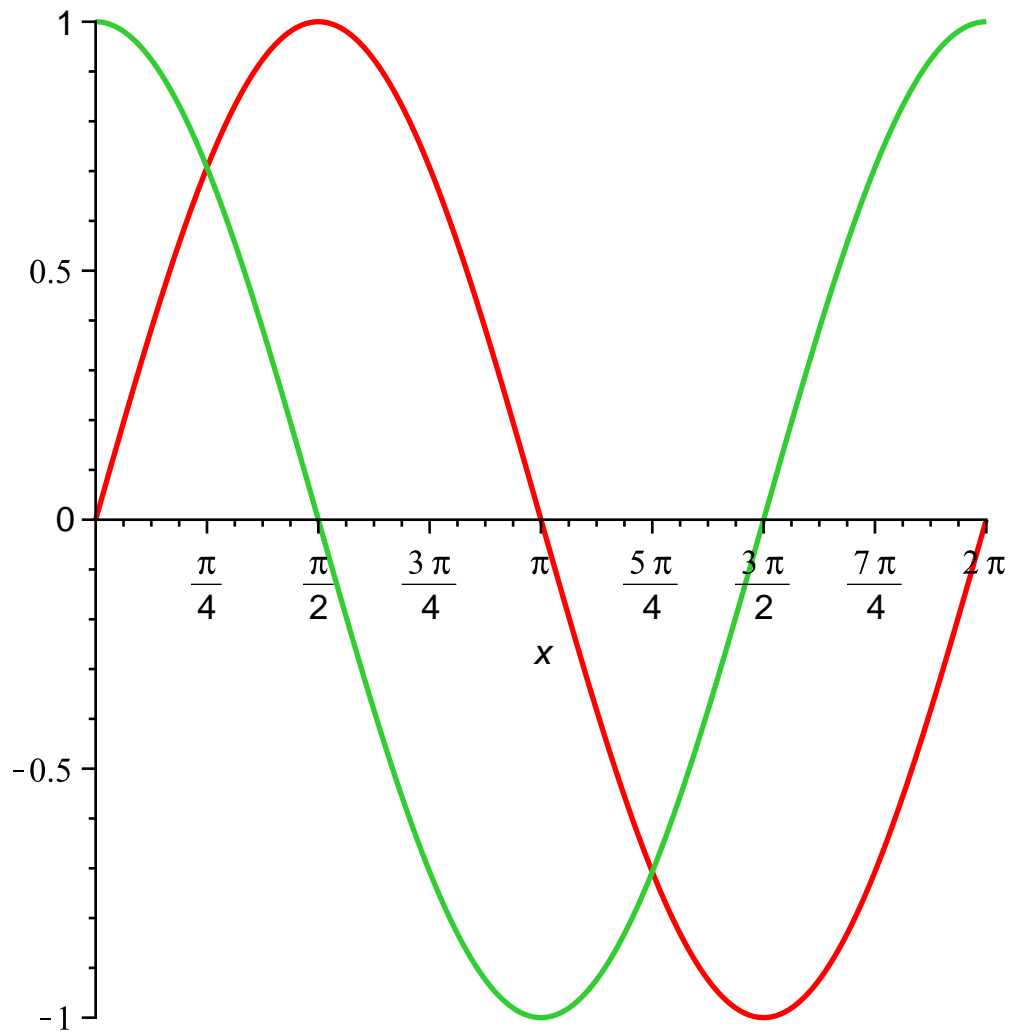
```
> plot(sin(1/x),adaptive=false,numpoints=10,x=0.001..0.004) ;  
Error. (in plot) unexpected option: x = 0.1e-2 .. 0.4e-2  
> plot(sin(x),x=0..2*Pi,numpoints=10);
```



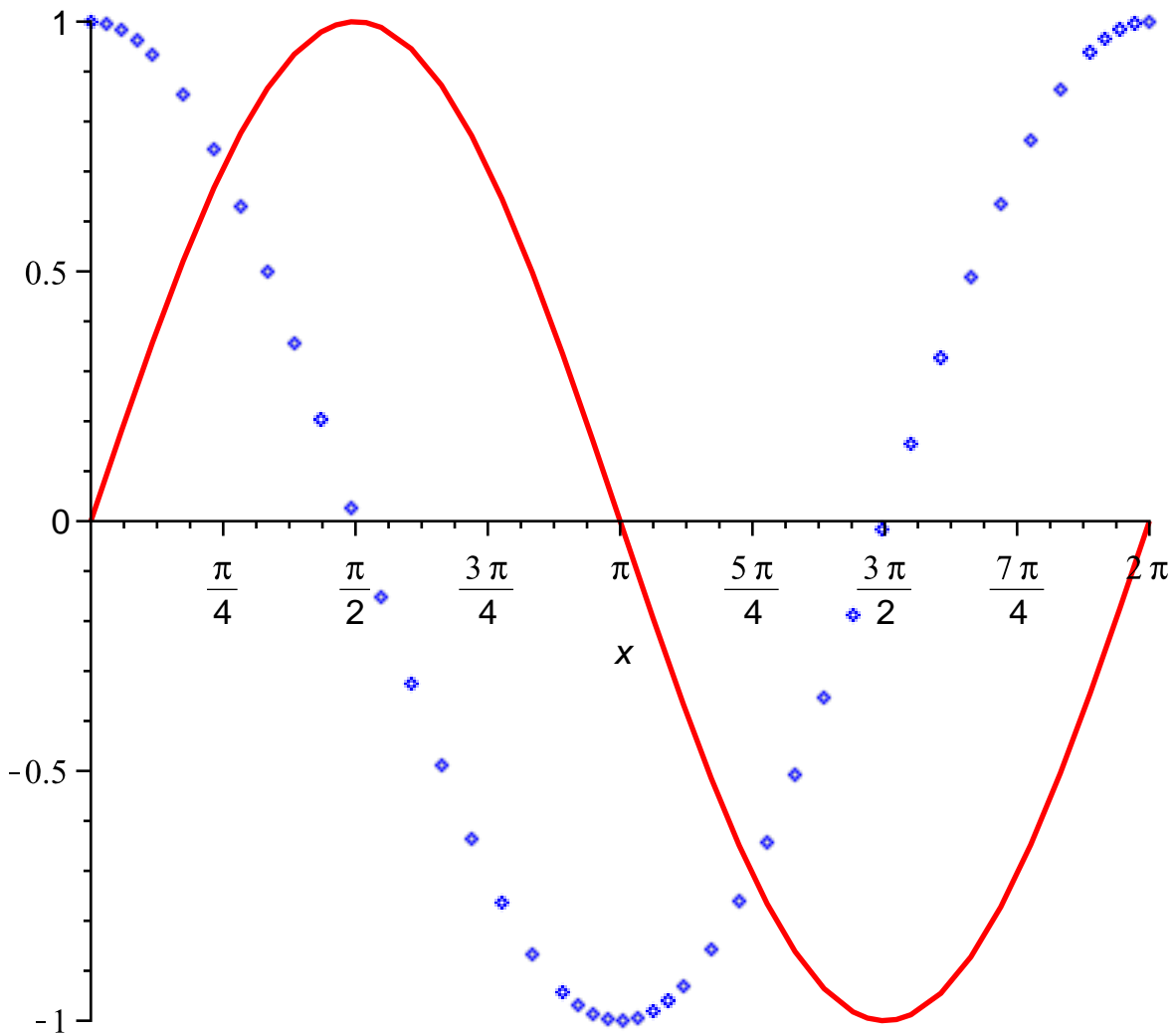
```
> plot(sin(x),x=0..2*Pi,numpoints=10,style=point,color=blue);
```



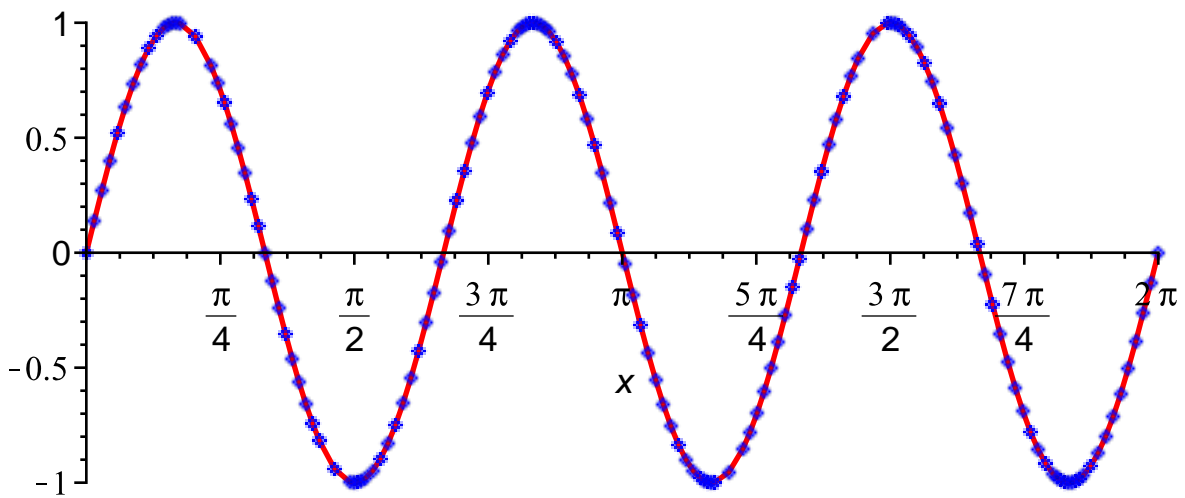
```
> plot([sin(x),cos(x)],x=0..2*Pi,thickness=2);
```



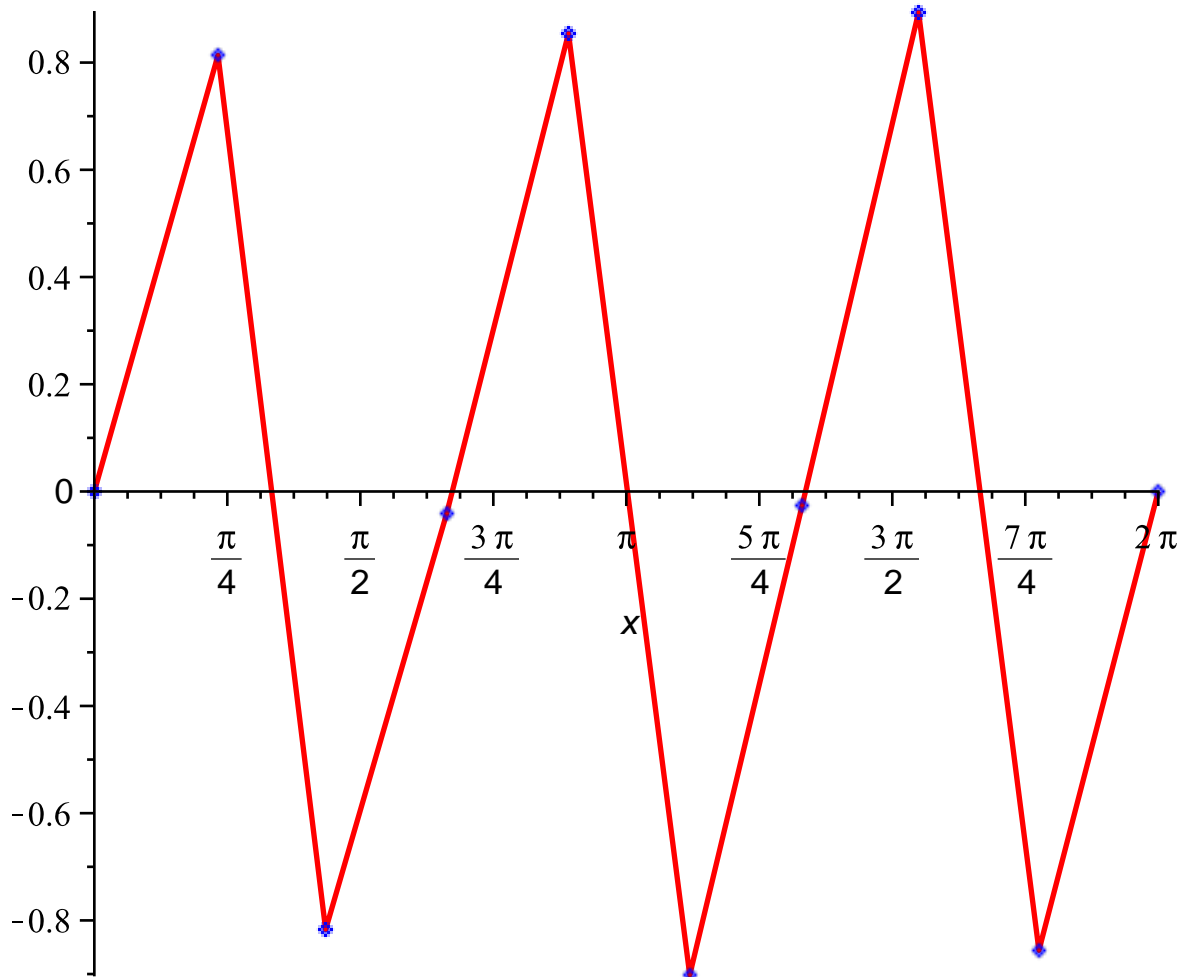
```
> plot([sin(x),cos(x)],x=0..2*Pi,thickness=2,style=[line,point],  
numpoints=10,color=[red,blue]);
```

```
> plot([sin(3*x),sin(3*x)],x=0..2*Pi,thickness=2,style=[line,
point],numpoints=10,color=[red,blue]);
```



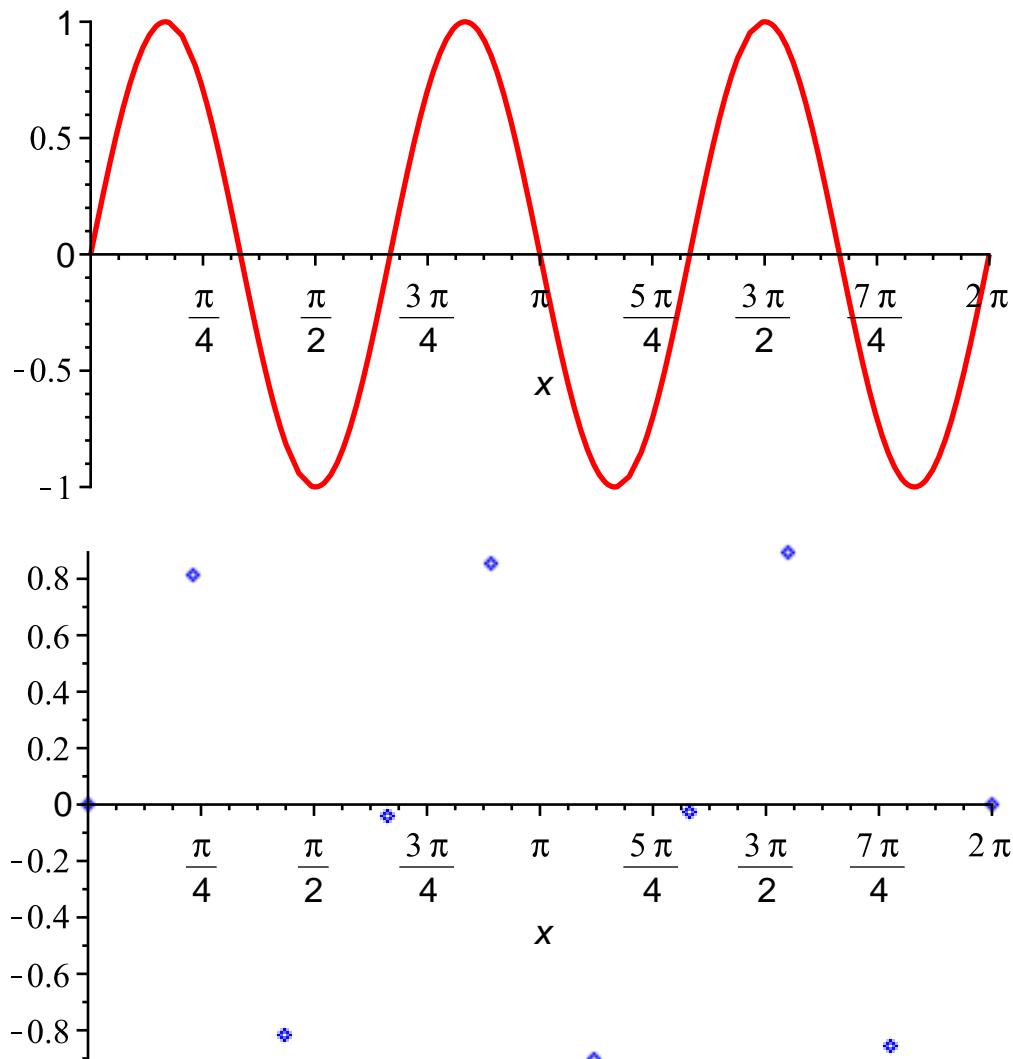
```
> plot([sin(3*x),sin(3*x)],x=0..2*Pi,thickness=2,style=[line,
point],numpoints=10,color=[red,blue],adaptive=false);
```



```

> plot([sin(3*x),sin(3*x)],x=0..2*Pi,thickness=2,style=[line,
point],numpoints=10,color=[red,blue],adaptive=[true,false]);
Error. (in plot) invalid input: Plot:-Preprocess expects value
for keyword parameter adaptive to be of type {boolean,
nonnegint}, but received [true,false]
> plot(sin(3*x),x=0..2*Pi,thickness=2,style=line,numpoints=10,
color=red,adaptive=true);
plot(sin(3*x),x=0..2*Pi,thickness=2,style=point,numpoints=10,
color=blue,adaptive=false);

```

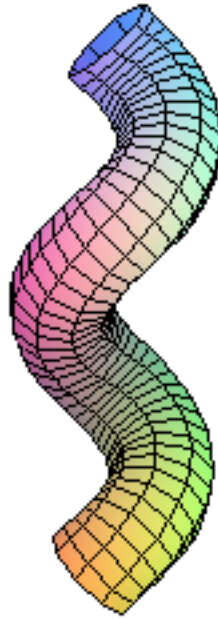


> with(plots);

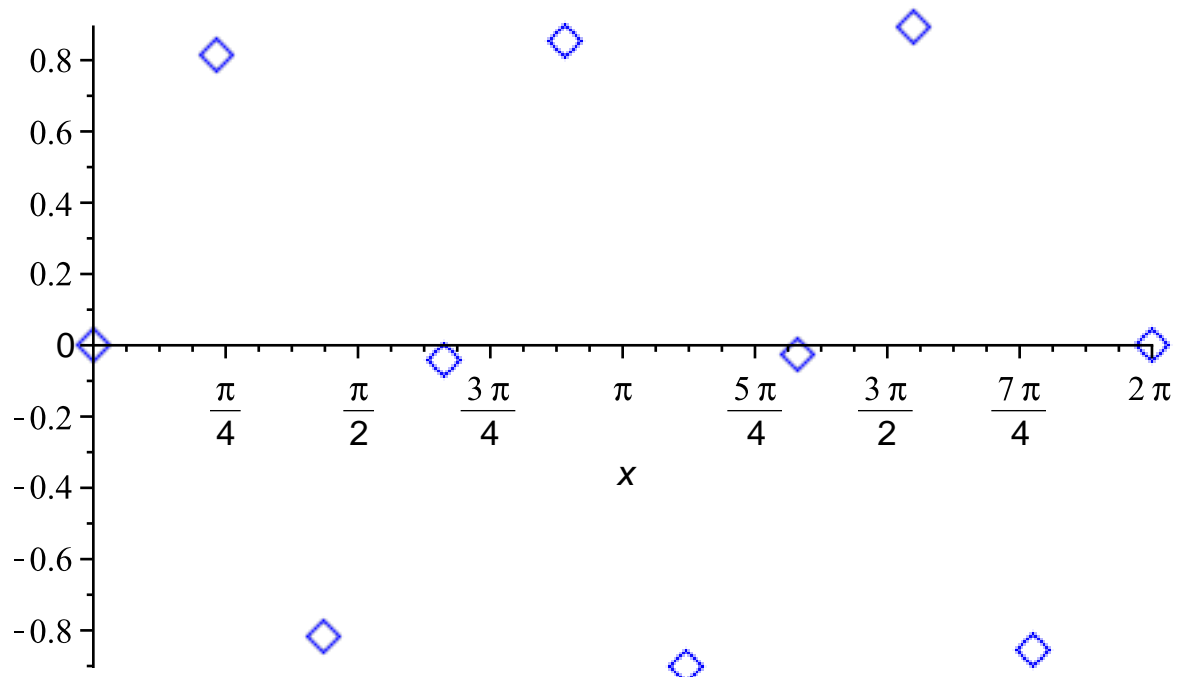
[animate, animate3d, animatecurve, arrow, changecoords, complexplot, complexplot3d, conformal, conformal3d, contourplot, contourplot3d, coordplot, coordplot3d, densityplot, display, dualaxisplot, fieldplot, fieldplot3d, gradplot, gradplot3d, implicitplot, implicitplot3d, inequal, interactive, interactiveparams, intersectplot, listcontplot, listcontplot3d, listdensityplot, listplot, listplot3d, loglogplot, logplot, matrixplot, multiple, odeplot, pareto, plotcompare, pointplot, pointplot3d, polarplot, polygonplot, polygonplot3d, polyhedra_supported, polyhedraplot, rootlocus, semilogplot, setcolors, setoptions, setoptions3d, spacecurve, sparsematrixplot, surfdata, textplot, textplot3d, tubeplot]

> tubeplot([cos(t),sin(t),t],t=0..10,scaling=constrained);

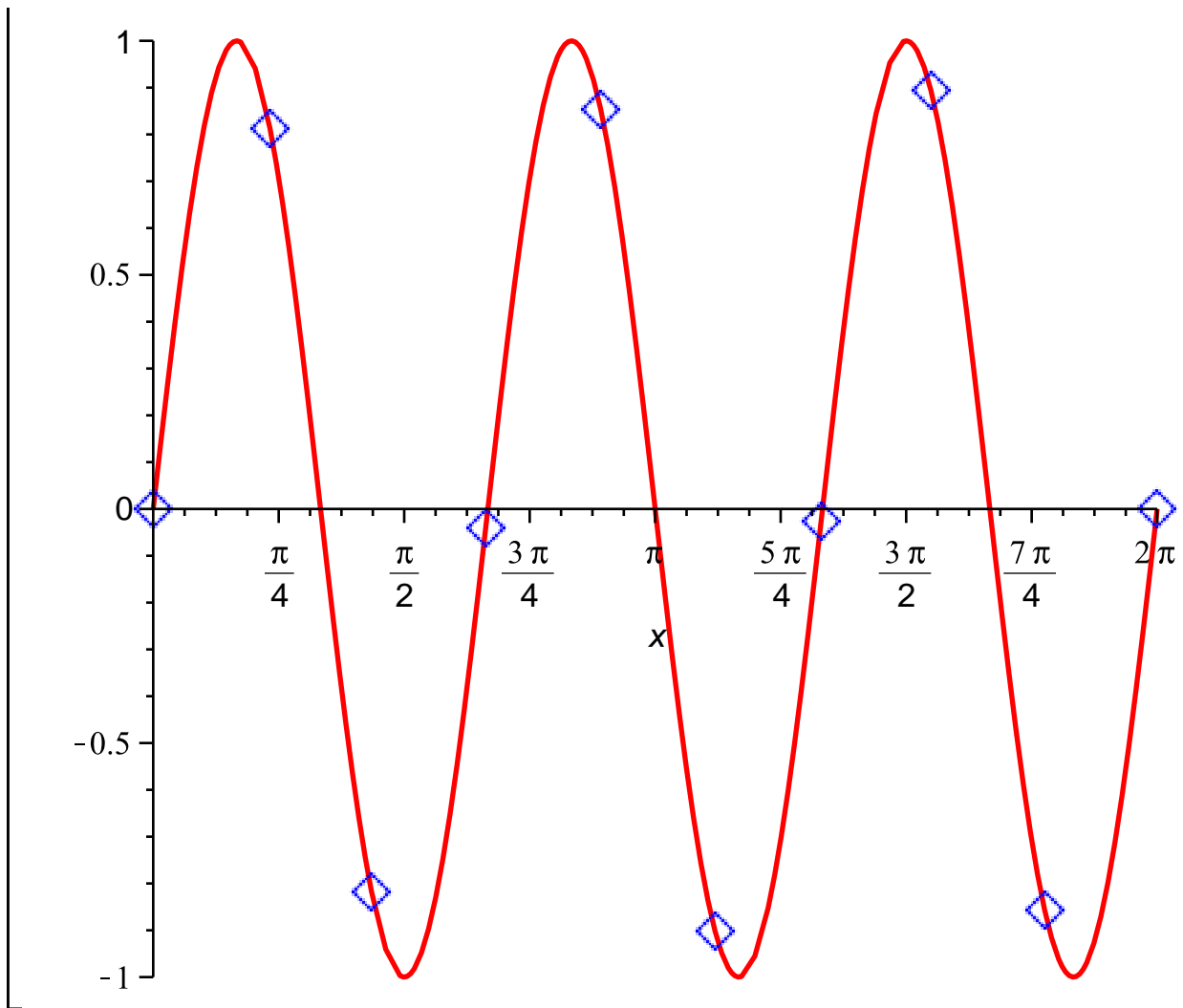
(1)



```
> unwith(plots);  
> tubeplot([cos(t),sin(t),t],t=0..10,scaling=constrained);  
      tubeplot([cos(t), sin(t), t], t=0..10, scaling=constrained) (2)  
> with(plots):  
> p1:=plot(sin(3*x),x=0..2*Pi,thickness=2,style=line,numpoints=10,  
color=red,adaptive=true):  
p2:=plot(sin(3*x),x=0..2*Pi,thickness=2,style=point,numpoints=10,  
color=blue,adaptive=false,symbolsize=25):  
> p2;
```



```
> display({p1,p2});
```



```

> cub:= x -> a*x^2+b*x+c;
                                cub := x → a x2 + b x + c
(3)
> cub(2);
                                4 a + 2 b + c
(4)
> pts:= [ [0,1], [2,3], [10,4] ];
                                pts := [[0, 1], [2, 3], [10, 4]]
(5)
> pts[2];
                                [2, 3]
(6)
> pts[2][1];
                                2
(7)
> pts[2][2];
                                3
(8)
> {cub(0)=1,cub(2)=3,cub(10)=4};
                                {c=1, 4 a + 2 b + c=3, 100 a + 10 b + c=4}
(9)
> solve(%,{a,b,c});
                                {a = - 7 / 80, b = 47 / 40, c = 1}
(10)
> subs(%,cub(x));

```

L

$$-\frac{7}{80}x^2 + \frac{47}{40}x + 1$$

(11)