

Nusp: 10772741

Arquivo 1

Código:

```
function [y]=teste(x)
y=x+x^2+sin(x*2*pi);
endfunction
```

Segue o output do primeiro arquivo solicitado:

```
--> exec('C:\Users\User\Desktop\teste.sce', -1)

--> teste(0.5*pi)
ans =

    3.6078962
```

Arquivo 2

Código:

```
deff('[y]=test0(x)', 'y=x+x^2+sin(x*2*pi)')
deff('[y]=test1(x)', 'y=-x+x^2+x^3')
deff('[y]=test2(x)', 'y=sqrt(x)')
x=-2:0.5:3;
a=1;
b=0;
t1=(a==1);
t2=(b>0.5);
if and([t1 t2]) then
y=test0(x);
elseif or([t1 t2]) then
y=test1(x);
else
y=test2(x);
end,
plot2d(x,y,-3)
set("current_figure",1)
xset('mark size', 2)
plot2d(x,y,-3)
set("current_figure",2)
xset('mark size', 4)
plot2d(x,y,-3)
set("current_figure",3)
xset('mark size', 5)
plot2d(x,y,-3)
```

Segue o output do segundo arquivo solicitado:

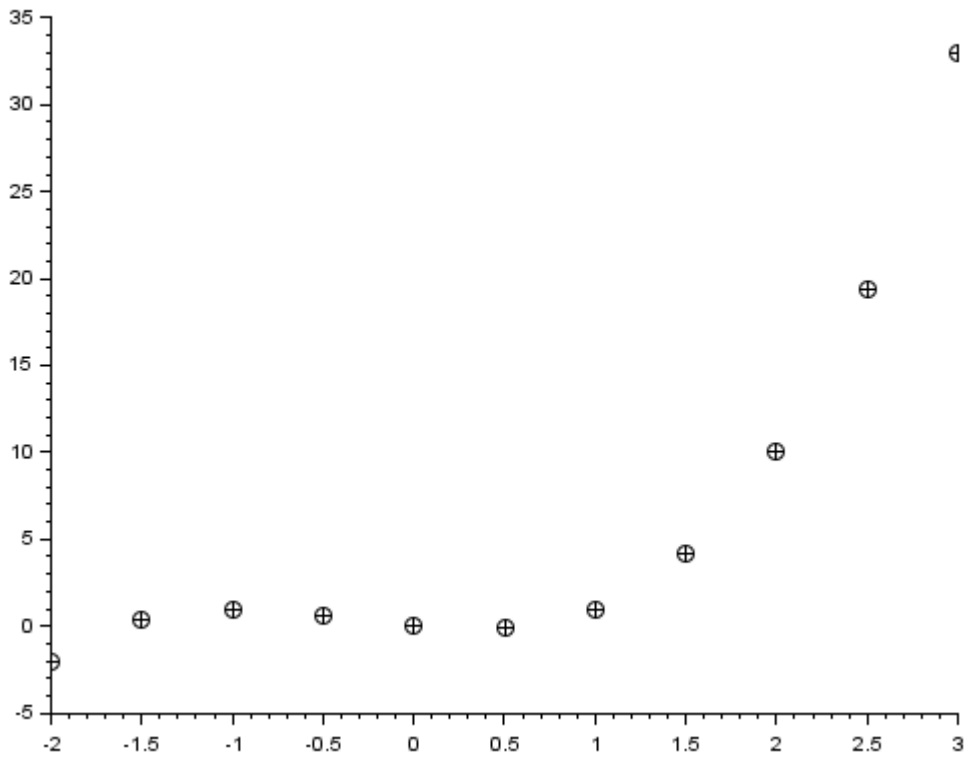


Figura 1 Janela gráfica 0

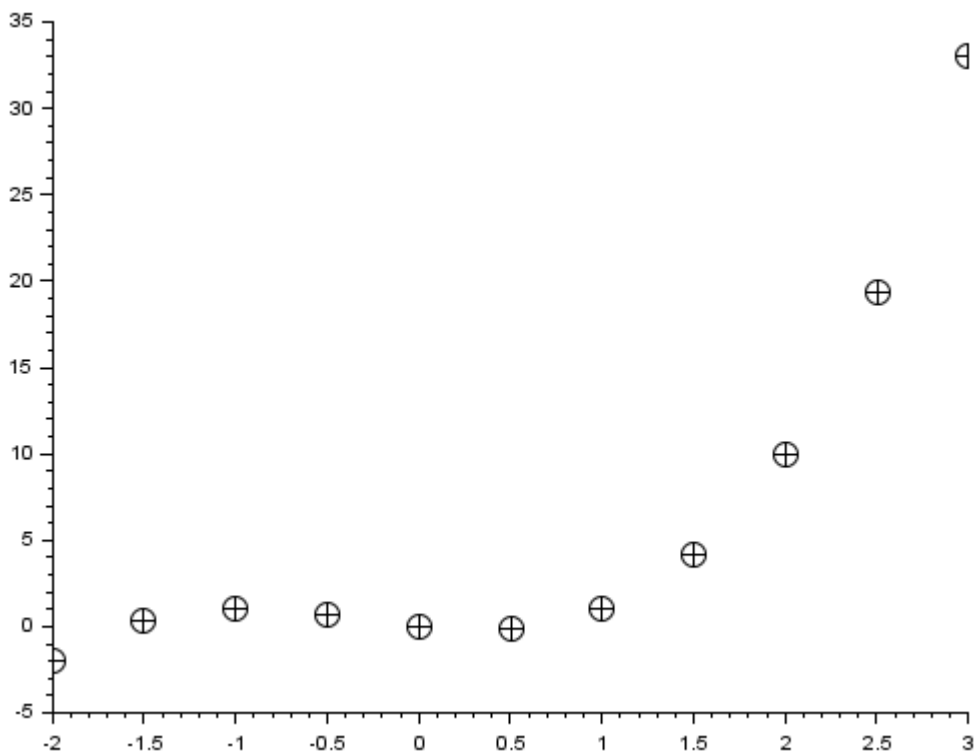


Figura 2 - Janela Gráfica 1

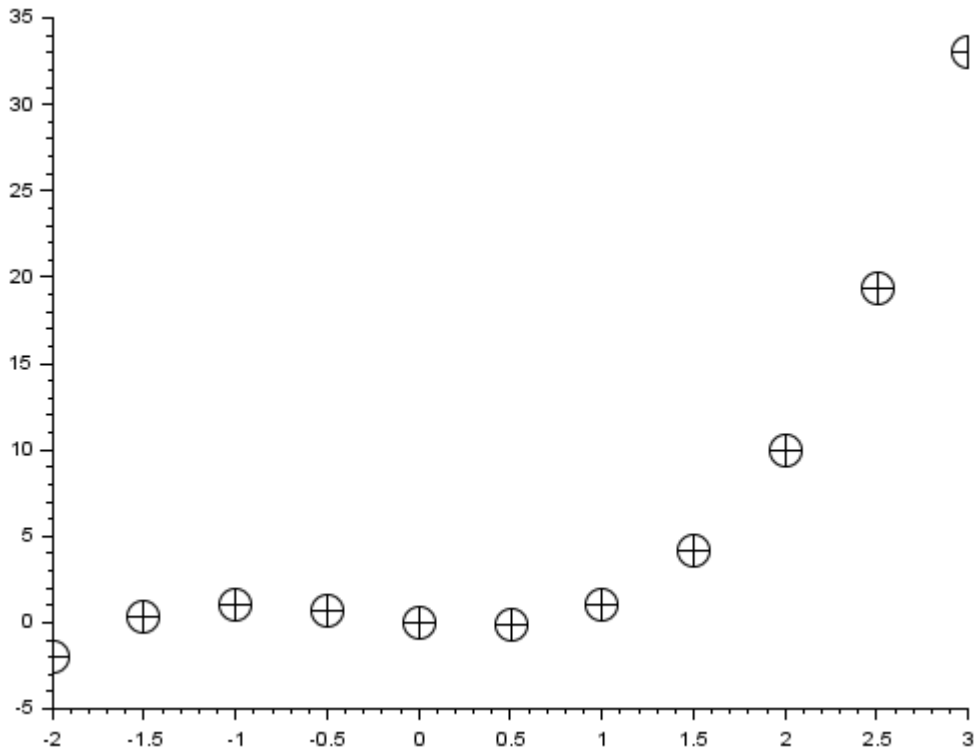


Figura 3 - Janela Gráfica 2

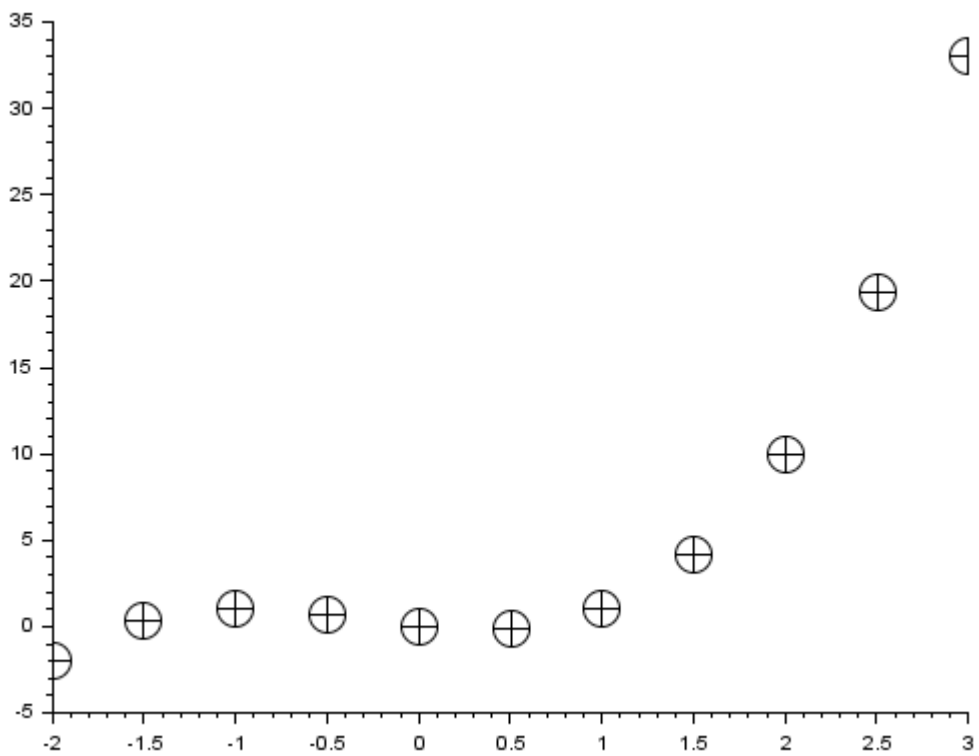


Figura 4 - Janela Gráfica 3

