provaMaxima

December 20, 2022

```
[1]: 'integrate (x*log(x), x, a, b);
```

[1]:

$$\int_a^b x \, \log x \, dx \qquad\qquad (\%o_0)$$
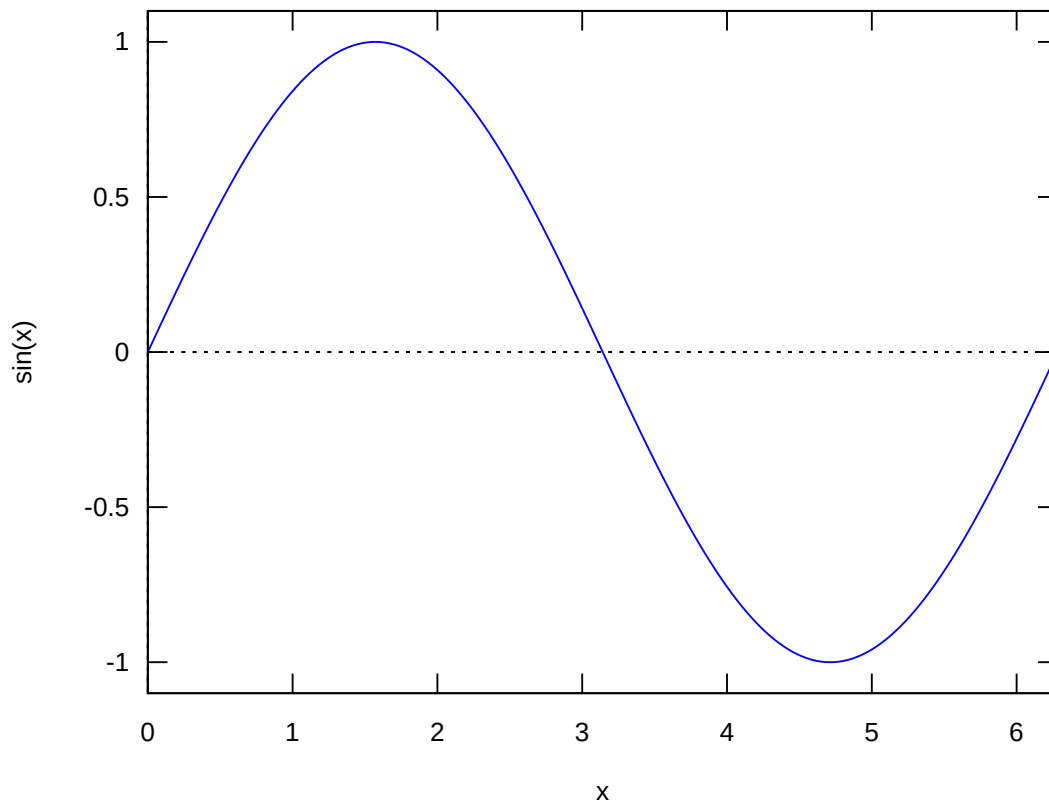
```
[2]: print ("HELLO WORLD!");
```

HELLO WORLD!

[2]:

$$\text{HELLO WORLD!} \qquad\qquad (\%o_1)$$

```
[3]: plot2d (sin (x), [x,0,2*%pi], [svg_file,"maxplot.svg"]);
```

[3]:

$$[\ /\text{tmp}/\text{maxplot.svg}\ ]\tag{\%o_2}$$

[4]: `maxima_tempdir:"/home/it-network/maximaPlots";`

[4]:

$$/\text{home}/\text{it-network}/\text{maximaPlots}\tag{\%o_3}$$

[5]: `set_plot_option([svg_file, "maxplot.svg"]);`

[5]:

$$[[svg\_file,\ \text{maxplot.svg}\ ], [plot\_format, gnuplot\_pipes], [grid, 30, 30], [run\_viewer, \textbf{true}], [axes, \textbf{true}], [nticks, 29],$$
$$\tag{\%o_4}$$

[6]: `plot2d (sin(x), [x, -%pi, %pi]);`
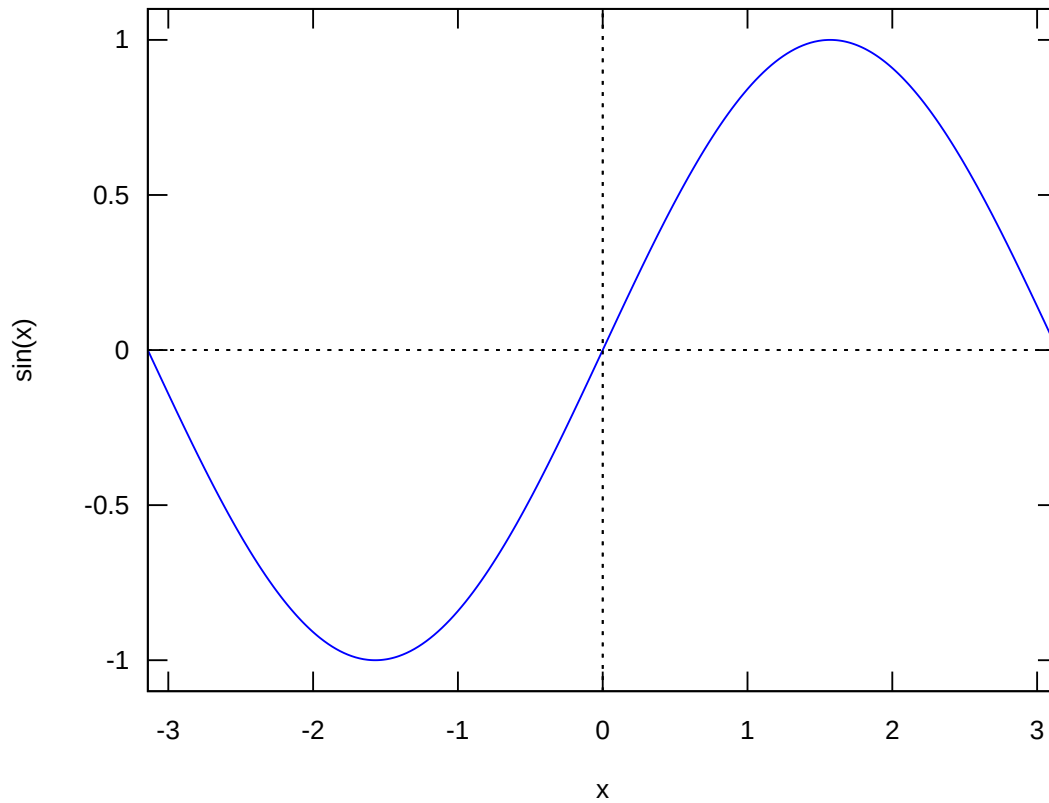
$$[\ /home/it\text{-}network/maximaPlots/maxplot.svg\ ] \qquad\qquad (\%o_5)$$

[7]:
```
build_info();
```

[7]:

$build\_info\,(\ 5.46.0\ ,\ 2022\text{-}12\text{-}20\ 15:42:35\ ,\ x86\_64\text{-}unknown\text{-}linux\text{-}gnu\ ,\ SBCL\ ,\ 2.1.11.debian\ ,\ /home/it\text{-}networ$
$$(\%o_6)$$