



# Introduction to Computer Science

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**A Portable Scientific  
Visualization Program:  
GnuPlot**

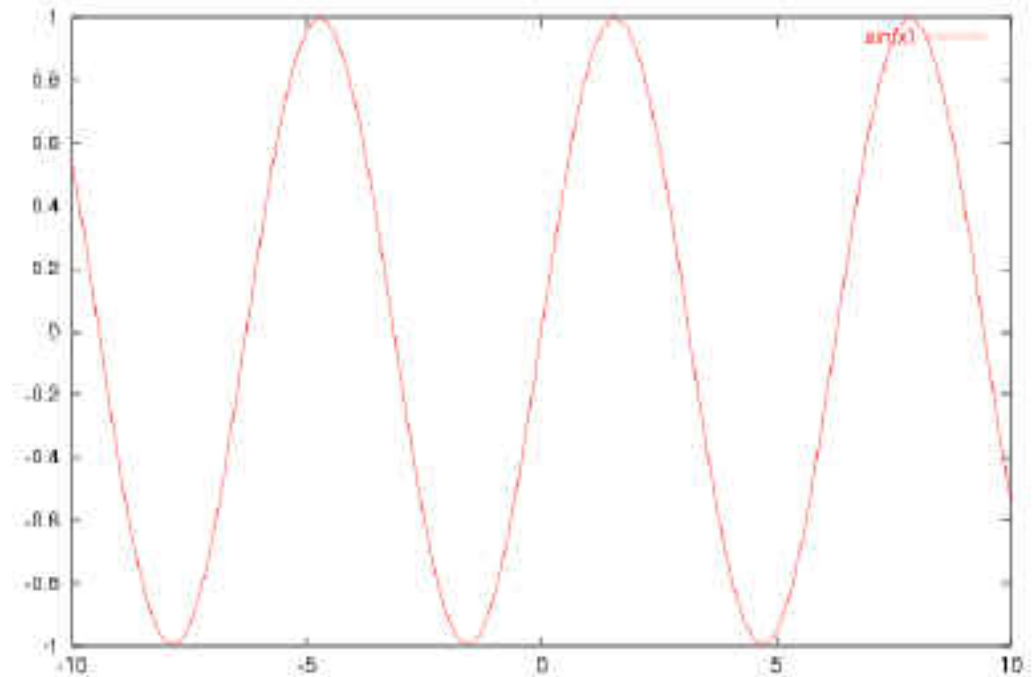


- ▶ GNUPlot is an interactive function plotting program.
  - ▶ It has interactive or batch modes.
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- ▶ To invoke interactive mode it is sufficient to give the **GnuPlot** command at the command prompt of linux.
  - ▶ **GnuPlot** syntax is case sensitive
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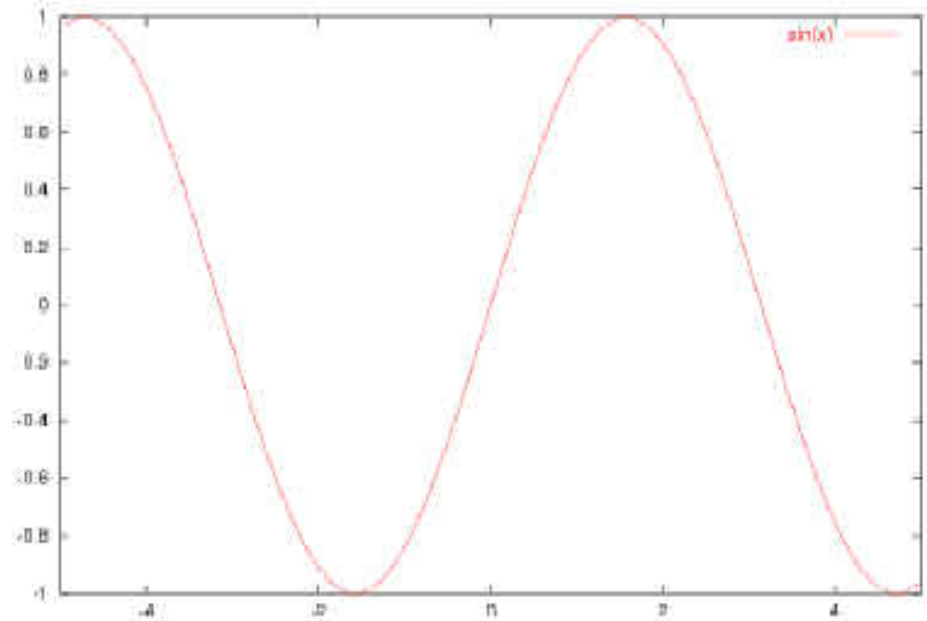
***plot sin (x)***

This command plots the sine function.



***plot [-5:5] sin (x)***

command selects the horizontal plotting range between -5 and 5.



- ▶ The range for the vertical coordinates can also be set by the user. For this purpose we can use an additional pair of brackets. For example, the command

***plot [-5:5] [-2:2] Sin(x)***

## Load

The syntax of the command is ***load*** ***"inputfile"***. The name of the inputfile must be enclosed in (either single or double) quotes.