
Subject: Re: cgGallery with function graphics

Posted by [Matthew Argall](#) on Thu, 27 Feb 2014 14:56:33 GMT

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Logarithmic Pressure Plot

http://www.idlcoyote.com/gallery/logarithmic_pressure_plot.png

; Example data. Normally passed into the program as a positional parameter.

```
data = cgScaleVector(cgDemoData(1), 30, 1200)
```

```
height = cgScaleVector(Findgen(N_Elements(data)), 0, 6)
```

```
thick = 2
```

; To label minor ticks on the axis use Martin Shultz program LogLevels.

; Set YTICKS to one less than the number of ticks returned by LogLevels.

```
ticks = LogLevels([10,2000])
```

```
nticks = N_Elements(ticks)
```

; Draw a plot with the Y axis labelled as a reversed logarithmic axis.

```
ngPlot = Plot(height, data, /YLOG, YRANGE=[2000,10], $
```

```
      XTitle='Height', YTitle='Pressure', Color='Red')
```

```
(ngPlot.Axes)[1].tickvalues = ticks
```
