

**NAME**

`gtf` - calculate VESA GTF mode lines

**SYNOPSIS**

`gtf h-resolution v-resolution refresh [-v|--verbose] [-f|--fbmode] [-x|--xorgmode]`

**DESCRIPTION**

*Gtf* is a utility for calculating VESA GTF modes. Given the desired horizontal and vertical resolutions and refresh rate (in Hz), the parameters for a matching VESA GTF mode are printed out. Two output formats are supported: mode lines suitable for the Xorg **xorg.conf(5)** file, and mode parameters suitable for the Linux **fbset(8)** utility.

**OPTIONS**

**-v|--verbose**

Enable verbose printouts This shows a trace for each step of the computation.

**-x|--xorgmode**

Print the mode parameters as Xorg-style mode lines. This is the default format.

**-f|--fbset**

Print the mode parameters in a format suitable for **fbset(8)**.

**SEE ALSO**

[xorg.conf\(5\)](#), [cvt\(1\)](#)

**AUTHOR**

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This program is based on the Generalized Timing Formula (GTF(TM)) Standard Version: 1.0, Revision: 1.0. The GTF Excel(TM) spreadsheet, a sample (and the definitive) implementation of the GTF Timing Standard is available at <[ftp://ftp.vesa.org/pub/GTF/VTF\\_V1R1.xls](ftp://ftp.vesa.org/pub/GTF/VTF_V1R1.xls)>.