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Subject: Re: sun symbol

Posted by [manodeep@gmail.com](mailto:manodeep@gmail.com) on Thu, 28 Jun 2012 01:15:01 GMT

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On Jun 26, 3:38 am, Fab <fabien.mauss...@gmail.com> wrote:

> Maybe cgSymbol?

>

> <http://www.idlcoyote.com/programs/cgsymbol.pro>

Here is what I do with reasonably good results (i.e., not an off-center dot). I adapted Michael Galloy's vis\_psfrag for this. The basic steps are:

1. Generate your plot in PS with the /TIMES switch and !P.FONT=0
2. Run ms\_psfrag with this syntax:

```
ms_psfrag,input_ps_filename,latex_template_filename,output_p s_filename, "actual  
text in the ps", "replacement latex text"
```

You will have to download ms\_psfrag.pro (here: [http://astro.phy.vanderbilt.edu/~sinham/code/ms\\_psfrag.pro](http://astro.phy.vanderbilt.edu/~sinham/code/ms_psfrag.pro)). Also, you have to create a Latex template file -- the contents for the latex template are in the comments on the top of ms\_psfrag.pro.

I still haven't figured out how to sent the font size correctly so you will have to play around with this line in the latex template:

```
\psfrag{tag_text}[c][c][1.5]{replacement_text} ,
```

where 1.5 represents the font size scaling. You will have to change that 1.5 value such that the replacement font size is similar to other font sizes in the plot.

For the solar mass symbol, the latex replacement text would be '\$M\_\odot\$'. A code snippet could be:

```
-----  
set_plot,'ps'  
!p.font=0  
fname = 'plot.eps'  
templatefname = 'figure.tex' ;;; you will have to create this latex  
template file as figure.tex  
device,filename=fname,/color,/portrait,bits_per_pixel=8,/enc apsulated,/times  
xtitle = 'ZM'  
  
plot,findgen(10),xtitle=xtitle
```

```
device,/close
outfname = fname
ms_psfrag,fname,templatefname,outfname,xtitle,'Mass [M$_\odot$]'
-----
```

Hope this helps.

Cheers,  
Manodeep

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