
Subject: Re: Complicated Latex typesetting for IDL ledgend

Posted by [pgrigis](#) on Tue, 23 Nov 2010 16:40:14 GMT

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To get an idea of the result,
this is a plot I produced when I was testing
psfrag to decide if it was worth it.

<http://hea-www.cfa.harvard.edu/~pgrigis/fig.ps>

Ciao,
Paolo

On Nov 23, 11:21 am, jimbo <james.a.gord...@googlemail.com> wrote:

> On Nov 23, 3:48 pm, Paulo Penteado <pp.pente...@gmail.com> wrote:

>

>

>

>> On Nov 23, 1:27 pm, Paolo <pgri...@gmail.com> wrote:

>

>>> If you want anything more then basic stuff, do use psfrag.

>

>>> That will allow you to put any LaTeX formula into your plot.

>

>>> IDL own symbols are very limited.

>

>> I have for some time intended to make something similar to what
>> mathurl (<http://mathurl.com/>) does. But so far never had the time to
>> do it. The hard part would be handle the external dependency on LaTeX
>> in a reasonably tolerable and platform-independent way. Maybe with
>> JLaTeXMath through an IDL_Java bridge.

>

>> Ideally the LaTeX output should be vectorial, not bitmap. But drawing
>> the vectors might also be tricky, depending on how they are provided.

>

> Thank you,

>

> PSFrag looks interesting - not a package I have come across, but seems
> to do the job. I think you are on to something with a mathurl type
> system - I would certainly rather write the whole string in Latex
> format and just include the output image as the title say, so the
> spacing etc. is correct. As you say however, scaling bitmaps is
> obviously less than ideal unless you can tie the latex fontsize to the
> charsize tag in IDL?

>

> Again, thanks for the prompt replies

>

> J
