
Subject: Re: Complicated Latex typesetting for IDL ledgend

Posted by [jimbo](#) on Tue, 23 Nov 2010 16:21:48 GMT

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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
