Subject: Re: IDLgrAxis and scaling
Posted by Mark Hadfield on Wed, 19 Mar 2003 21:27:18 GMT
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"Thomas Gutzler" <tgutzler@ee.uwa.edu.au> wrote in message
news:3E783423.4080505@ee.uwa.edu.au...
> Hi,
>
> I tried to prevent the axis-text to be scaled while scaling a model with
> the axes added.

This is controlled by the RECOMPUTE_DIMENSIONS property of the axis-text IDLgrText objects. Default is 0; you should use 1 or 2.

It's easy to specify RECOMPUTE_DIMENSIONS for a text object you create yourself. But the tick-label objects are generated automatically, so you have to hunt them down. My MGHgrAxis object does this. The axis object keeps properties FONT and RECOMPUTE_DIMENSIONS, which it applies to all the text objects it manages. The code looks like this:

```
  self->GetProperty, TICKTEXT=oticktext, TITLE=otitle
  if obj_valid(otitle) then begin
    otitle->SetProperty, RECOMPUTE_DIMENSIONS=self.recompute_dimensions
    otitle->GetProperty, FONT=font
    if not obj_valid(font) then otitle->SetProperty, FONT=self.font
  endif
  for i=0,n_elements(oticktext)-1 do begin
    if obj_valid(oticktext[i]) then begin
      oticktext[i]->SetProperty, $
          RECOMPUTE_DIMENSIONS=self.recompute_dimensions
      oticktext[i]->GetProperty, FONT=font
      if not obj_valid(font) then $
          oticktext[i]->SetProperty, FONT=self.font
    endif
  endfor
```

To look at this code in context, see

 http://www.dfanning.com/hadfield/README.html

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Mark Hadfield "Ka puwaha te tai nei, Hoea tatou"
m.hadfield@niwa.co.nz
National Institute for Water and Atmospheric Research (NIWA)