
Subject: strange behaviour of bar_plot

Posted by [paulartcoelho](#) on Thu, 22 Mar 2007 14:48:15 GMT

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hello there,

first time posting. i'm running IDL on Linux and i have a strange behavior of bar_plot procedure. first time in a session it runs ok. second time, colours are changed (i don't set any colour in particular) and although the graph is plotted i end up with a message '% Program caused arithmetic error: Floating illegal operand'. Only restarting IDL make it back to normal behavior (.reset isn't enough).

any clues? i post the procedure below. i'd like to mention that i'm an IDL beginner as well.

```
pro fig_phases, mix, age
```

```
    label_array =  
["B40","B40n","Ca_HK","HdA","HgA","CN1","CN2", "Ca4227",$  
"G4300","Fe4383","Ca4455","Fe4531","C4668","Hbeta",$  
"Fe5015","Mg1","Mg2","Mgb","Fe5270","Fe5335","Fe5406 ",$  
"Fe5709","Fe5782","NaD","TiO1","TiO2","Ca8498","Ca8542 ",$  
  "Ca8662","Mg8807"]
```

```
    retrieve_phases,mix,"sloan",age,"ms", ms  
    retrieve_phases,mix,"sloan",age,"sgb", sgb  
    retrieve_phases,mix,"sloan",age,"rgb", rgb  
    retrieve_phases,mix,"sloan",age,"hb", hb  
    retrieve_phases,mix,"sloan",age,"agb", agb  
    retrieve_phases,mix,"sloan",age,"tpagb", tpagb  
    retrieve_phases,mix,"sloan",age,"ms_tpagb", ms_tpagb
```

```
    all_phases = ms_tpagb  
    ms_norm = ms / all_phases  
    sgb_norm = sgb / all_phases  
    rgb_norm = rgb / all_phases  
    hb_norm = hb / all_phases  
    agb_norm = agb / all_phases  
    tpagb_norm = tpagb / all_phases
```

```
    print,n_elements(ms_norm),n_elements(label_array)  
    print,ms_norm  
    bar_plot, ms_norm, barnames=label_array
```

```
end
```

the procedure 'retrieve_phases' just reads a text file. the 3 first parameters will give the name of the file to be read and the returning array has 30 elements.

thanks
paula
