plim.dreaming@gmail.com wrote:
> Later in the program I calculate the separation between points (x1,y1)
> (x2,y2)
> And for some of those points the program says that the pairs are the
> same. But they are only the same if they are rounded off, the
> difference often only shows up in the last 2 decimal places.
> ya, i read that link, most of it at least.
> One other thing is: lets say the print out is the issue; a case like
> you pointed out above, then why is it that if I do:
> b=string(num)
> print,b   will give me the rounded off number?

as David pointed it out, be careful on how you compare your numbers...
a = 0.1234567890123456d
b = 0.1234567890123456d
print, a eq b
   1

b = 0.1234567890123456d + 0.1 - 0.1
print, a eq b
   0

Also, I suggest you to print your number value a few times (after
reading, after allocating to pixmag, before comparing it), with the
proper format ...
IDL> c = 100.489418d
IDL> print, c
      100.48942
IDL> print, c, format = '(F15.10)'
  100.4894180000

Jean