Subject: Re: concatenate arrays of different sizes
Posted by R.G. Stockwell on Thu, 27 Mar 2008 16:42:09 GMT

"vino" <astrocrazy@gmail.com> wrote in message
 news:98fa711f-7d7e-4131-a70a-a75dfe22850d@d4g2000prg.googleg roups.com...
> Hello Everyone,
> I am trying to concatenate arrays of different sizes into a single
> variable.The problem is as follows:
> I am tracking about 10,000 stars through a period of six months. I
> have a single variable containing the intensity of all stars with
> zeros when the star is not in the field of view. I ran into memory
> problems when i try to track for longer periods.

What is time sampling on those?

You have intensity (float?) for 10k stars, by how many times in that siz
months?

Every ten minutes, fits into my winxp laptop just fine.

ie a = fltarr(10000,6*30*24*6)

Some suggestions:
Perhaps you could downsample the intensity time series - do
you really need that high time resultion?

You could categorize the stars into groups (based on quadrant in
the sky, or on magnitude) and analyze the groups seperately.

You make a pointer array for each star, 10k pointers where each pointer
points to a strucutre which holds the time and intensity
for when it is in view.

Cheers,
bob