Subject: Re: need the dimensions of an array
Posted by MKatz843 on Sun, 28 Mar 2004 23:30:22 GMT
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Thomas Nehls <thomas.nehls@tu-berlin.de> wrote in message
news:<c41a69$pvv$1@mamenchi.zrz.TU-Berlin.DE>...
> Hi,
>
> using read_tiff I Read an image into a variable lets say pixel
> interleaved (channels, columns, rows)
>
> now I need the number of columns and the number of rows
>
> like that:
> img = READ_TIFF(file)
> num_col = ?(img[1])
> num_rows= ?(img[2])
>
> I tried SIZE(img,/Dimensions) which returns: 3, 385, 345
> very nice! I need only the Number "385" and the "345" respectively
> Do you understand what I want to say?
> Thanks
> Tom

Since SIZE(img, /Dimensions) returns an array, you are looking to
extract single values from the array. If you're always reading
3-dimensional arrays, you can do this

s = SIZE(img, /Dimensions)
width = s[1]
height = s[2]
depth = s[0].

Or in one less step, treat the values returned by the SIZE function
like this
width = (SIZE(img, /Dimensions))[1]
height = (SIZE(img, /Dimensions))[2]
depth = (SIZE(img, /Dimensions))[0]

You could also have a 2-element size array
Nxy = (SIZE(img, /Dimensions))[1:2]
and then access Nxy[0] for the width and Nxy[1] for the height.

M. Katz