Subject: transparent routine using either readu or assoc for same array variable
Posted by Jacobus Koster on Sun, 15 Feb 1998 08:00:00 GMT

Ye of wisdom,
I would like to write a routine to open a file and read an image stack,
say 128x128 images, 96 of 'em. I would like to be able to pass a keyword

to this routine, telling it to either read the whole file into an image
array, or alternately associates it with such an array of the same name
and dimensions.
E.g.:

Procedure getimage_stack,filename,image,open=open

If keyword_set(open) then begin
?which commands to declare image as an array of 96 images of 128x128
integers?
   Openr,1,filename
   For I=0,95 do Readu,lun,image[I]
Endif else begin
   Openr,1,filename
   image=Assoc(1,intarr(128,128))
 Endelse

End   ; of getimage

pro process_image

getimage_stack,filename,image,open=(either 1 or 0)
image=intarr(128,128)
for i=0,95 do
    image=image_stack(i)
    do something with image
endfor
close_image (won't include here)
end

Can I name an array of 96 elements in this way, each array element being

a 128x128 image, or do I have to define a structure of 128x128 integer
arrays,
, and if so, can I use assoc and readu transparently
with the same array structure name ?

Thanks for your help,
Sjaak Koster