Subject: Re: Why interleaving in image??
Posted by Michael Galloy on Wed, 07 Sep 2016 04:52:39 GMT
View Forum Message <> Reply to Message

On 9/6/16 2:31 AM, Sanu wrote:
> Why we have to use interleaving in image in IDL.
> Please tell me meaning of this..How image size is different from image dimension.
>
> imageSize = imageInfo.dimensions
> image = READ_IMAGE(file)
> imageDims = SIZE(image, /DIMENSIONS)
> interleaving = WHERE((imageDims NE imageSize[0]) AND (imageDims NE imageSize[1])) + 1
> PRINT, 'Type of Interleaving = ', interleaving
>

When there are many channels to an image, you end up with a
3-dimensional cube of images instead of just a single m by n array. But
this gives three choices for the dimensions when you have a cube: m by n
by nbands (band sequential), m by nbands by n (band interleaved by
pixel), or nbands by m by n (band interleaved). These simply indicate
the order the bytes are stored (which can effect performance depending
on how you intend to access the data).

Mike
--
Michael Galloy
www.michaelgalloy.com
Modern IDL: A Guide to IDL Programming (http://modernidl.idldev.com)