
Subject: Re: Why interleaving in image??

Posted by [Suresh Negi](#) on Wed, 07 Sep 2016 10:15:04 GMT

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On Wednesday, September 7, 2016 at 10:22:43 AM UTC+5:30, Michael Galloy wrote:

> 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>)

Thank you.
