
Subject: Why interleaving in image??

Posted by [Suresh Negi](#) on Tue, 06 Sep 2016 08:31:12 GMT

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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
```

Subject: Re: Why interleaving in image??

Posted by [Michael Galloy](#) on Wed, 07 Sep 2016 04:52:39 GMT

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On 9/6/16 2:31 AM, Sanu wrote:

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> 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>)

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:

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> Mike

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> Michael Galloy

> www.michaelgalloy.com

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Thank you.
