Subject: Re: Composition structure
Posted by jcesq on Sun, 03 Oct 2004 21:57:05 GMT
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Thanks for all suggestions! I'm going to use Kuyper procedure (the simplest), once my image have always the same size:

Composite = Image1

Then, for each additional image:

Composite = Composite > ImageN

Best Regards for all...
Jeferson

Paul Van Delst <paul.vandelst@noaa.gov> wrote in message news:<cjkboj$ls7$1@news.nems.noaa.gov>...
> Jeferson E. wrote:
>> Hello there!
>>
>> Assuming I have 5 images and I want to get the maximum value
>> composition. I can use something like that:
>>
>> Composite = Image1 > Image2 > Image3 > Image4 > Image5
>>
>> However, in the case I don't know the number of images, I can't use
>> this structure. What could be done?
>
> Depends how you call your application, no?
>
> Let's say you have 10 images (say, 800x640) - you'd need to stick them in some sort of
> array to allow you code to process an arbitrary number of images,
>
> n = 20
> ImageArray = bytarr(800,640,n)
> .... here fill you image array....
> GetImageMax, ImageArray, ImageMax
>
> where the procedure is something like below:
>
> PRO GetImageMax, ImageArray, $; Input
> ImageMax ; Output
>
> ; -- Get some array info
> Info = SIZE(ImageArray, /STRUCTURE)
>

```
>    ; -- Is the image array 3-d?
>    IF ( Info.N_DIMENSIONS NE 3 ) THEN $
>      MESSAGE, 'Must pass in a 3-D array!'
>
>    ; -- Determine the number of images
>    n_Images = Info.DIMENSIONS[2]
>
>    ; -- Find the maximum
>    ImageMax = ImageArray[*,*,0]
>    FOR i = 1, n_Images-1 DO BEGIN
>      ImageMax = ImageMax > ImageArray[*,*,i]
>    ENDFOR
>
> END
>
> I'm sure other folks will post cleverer solutions that don't use loops.
>
> paulv
```
