Subject: Re: making a composite from several images
Posted by thompson on Sun, 02 Jun 1996 07:00:00 GMT
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gennari@universe.Hawaii.edu (Scott Gennari) writes:

> Hi all,

> Could someone outline a simple way to create a composite image from
> serveral images. I have about GIF 100 images, all 200x200 pixels in dimension,
> that have only two values, 0 and 255. I'd like to create a single image that
> shows an accumulation of all pixel location where that particular value (255)
> appeared in all images. Something like below.

> n n+1 composite

> 000 010 010
> 100 001 ..etc. ---> 101
> 101 111 111

> I'm running IDL 4.0.1

> Thanks for any suggestions,
> Scott Gennari
> gennari@Hawaii.Edu

The EQ operator will return either 0 or 1, so you can use that to build up your image. For example,

```
COMPOSITE = INTARR(200,200)
FOR I_FILE = 0,99 DO BEGIN
 READ_GIF, filename, TEMP
 COMPOSITE = COMPOSITE + (TEMP EQ 255B)
ENDFOR
```

William Thompson

Subject: Re: making a composite from several images
Posted by gennari on Mon, 03 Jun 1996 07:00:00 GMT
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Thanks for the responses to my first inquery. I have one more question along the same line.

As an example, I have a series of gif images (4x4 for this example) with either 0 or 1 as the value and an additive composite is required

for all pixels that had the value 1.

n n+1 n+2 n+3 composite output

01 01 11 00 13
00 11 10 01 ... -----> 22

speed isn't a huge concern but how would this be done?

thanks,
Scott

gennari@hawaii.edu

Subject: Re: making a composite from several images
Posted by boswell on Tue, 04 Jun 1996 07:00:00 GMT
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gennari@universe.Hawaii.edu (Scott Gennari) writes:
: As an example, I have a series of gif images (4x4 for this example)
: with either 0 or 1 as the value and an additive composite is required
: for all pixels that had the value 1.
:
: n n+1 n+2 n+3 composite output
:
: 01 01 11 00 13
: 00 11 10 01 ... -----> 22
:
: speed isn't a huge concern but how would this be done?

Now this one is absolutely trivial, using the optional 2nd argument to TOTAL.
Place all your GIFs in one big 3D array, like so: IMAGE(4,4,100). Then get
your summed images with a summed=total(image,3).

Jonathan Boswell
FDA/CDRH
