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Subject: Re: NULL value in IDL ?

Posted by [Jerome Colin](#) on Wed, 02 Feb 2005 08:28:01 GMT

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David Fanning wrote:

> Jerome Colin writes:

>> Is there in IDL a way to give a variable the value NULL, meaning 'no data' ?

>> My problem is that I use REBIN() to reduce an image, but some parts of

>> this image do not contain information, even is the value is zero. These

>> zero-value pixels are hence taken into account in the REBIN()

>> calculation, and that's what I would like to avoid.

>

> REBIN seems to work OK with NANs:

>

> a = findgen(5, 5)

> a[1,1] = !Values.F\_NAN

> b = Rebin(a, 10, 10)

> print, b

>

> Cheers,

>

> David

>

Ok, now I replace values of the array with !values.f\_NaN, it work properly.

But at the end, I use a WRITE\_BMP() to have a look at the result. NaN

values cause a failure, so I tried to replace NaN values with 0. Has the

array dimensions have changed, I cannot use the index array I previously

used :

```
search=WHERE(data le 0.) & data(search)!=!values.f_NaN
```

And if I use :

```
search=WHERE(newdata eq !values.f_nan)
```

it returns -1.

What kind of operator can be used to identify NaN cells in my array ?

Many thanks, David !

Jerome

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