
Subject: Re: NULL value in IDL ?

Posted by [Jerome Colin](#) on Wed, 02 Feb 2005 08:58:05 GMT

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Jerome Colin wrote:

> 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

Oups... Forget my question, I've found your answer on your web site, in

math tips 'finding NaN in arrays'.
Thank you for your help.
Jerome
