Subject: Re: Array into binary array
Posted by Oliver Angelil on Mon, 18 Nov 2013 09:08:52 GMT
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B = Finite(A)

is what I wanted. Wow, that was extremely easy. Thanks a lot you two!

Oliver

On Monday, 18 November 2013 09:57:53 UTC+1, alx wrote:
> Le lundi 18 novembre 2013 08:51:09 UTC+1, Oliver Angelil a écrit :
>
>> I have an array:
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>
>> A =MAKE_ARRAY(4000, 120, 60, 3, /FLOAT, VALUE =!VALUES.F_NaN)
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>> It consists of numbers between 0 and 1 as well as NaN values. I want to make a binary array from this, such that when an element is NaN, it'll be 0 in the binary array, and when it is a number between 0 and 1, it'll be 1 in the binary array.
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>> Perhaps there is a quick solution which I have not found yet?
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>> Thanks in advance,
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>> Oliver
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> This is the purpose of the FINITE function. From IDL documentation:
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> "Returns 1 (True) if its argument is finite. If the argument is infinite or not a defined number (NaN), the FINITE function returns 0 (False). The result is a byte expression of the same structure as the argument X."
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>
> Then, you can simply write:
>
> IDL> A =MAKE_ARRAY(4000, 120, 60, 3, /FLOAT, VALUE =!VALUES.F_NaN)
>
> ... populate A ...
>
> IDL> B = Finite(A)
>
> use B ...
>
>
>
> alx.
