
Subject: Re: how many array elements with a certain value in a row
Posted by [Jeremy Bailin](#) on Thu, 01 Apr 2010 13:56:00 GMT
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On Apr 1, 9:48 am, Chris W <cwood1...@gmail.com> wrote:

> On Apr 1, 7:49 am, Jeremy Bailin <astroco...@gmail.com> wrote:

>

>> Does anyone have a nice simple efficient solution to this problem (I
>> have a simple inefficient solution and a vague sketch in my mind of a
>> convoluted but probably efficient solution):

>

>> I have an image in which many pixels are saturated (=65535, they're
>> short unsigned). I want to treat each set of consecutive saturated
>> pixels in a row as a single unit and know how many saturated pixels in
>> a row there are. So I would like to have a list that contains (a) the
>> rightmost pixel of each set of consecutive saturated pixels, and (b)
>> how many saturated pixels there were in the set.

>

>> Any suggestions?

>

>> -Jeremy.

>

> create an array the same size as the image, with values equal to the x
> index ([0,1,2,3,4,5,...]):

>

> x = indgen(512)

> rx = rebin(x,512,512)

>

> ;;create a mask

> mask = image eq 65535

>

> ;; index values of the mask

> rxmask = rx*mask

>

> rightvalues = max(rxmask, dimension=1)

>

> number_in_rows = total(mask, 1)

No, that won't work - it will only pick up one set per row. There
could be none or many sets in a ny given row.

-Jeremy.
