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.
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