Subject: Re: Multi-Array comparison
Posted by Jeremy Bailin on Mon, 28 Jun 2010 02:57:03 GMT
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On Jun 27, 9:40 am, wlandsman <wlands...@gmail.com> wrote:
> Here's one way to do what I think you want. (I am not sure what you
> mean by a "best server".) If your 3 arrays are a,b, and c then
>
> arrmax = a > b > c ;get the maximum value at each i,j
> Na = total(a EQ arrmax) ;Number of times the maximum is found in the
> a array
> Nb = total(b EQ arrmax)
> Nc = total(c EQ arrmax)
>
> Then the maximum of Na, Nb, Nc will tell you which array has the most
> pixels at the maximum value. (Note that Na + Nb + Nc may be more
> than the total number of pixels if there are equal values.) --Wayne
>
> On Jun 27, 4:58 am, Giuseppe Papa <giuseppep...@gmail.com> wrote:
>
>
>
>> Hello everybody,
>
>> I have three fltarr(460,483) and I would like to compare them, finding
>> for each element i,j of the arrays which one among the three guarantee
>> the maximum value. However, since I just need to know a sort of "best
>> server" index, I'm looking for the percentage so finding the total
>> amount will be enough. I've found out the WHERE function, but in my
>> case (three or more arrays) should I make a loop? Any ideas?
>
>> Thanks,
>
>> Giuseppe

Or how about:

```
maxval = max([[[a]],[[b]],[[c]]], dimen=3, ind)
print, max(histogram(ind / n_elements(a)))
```

-Jeremy.