Subject: Re: Identifying tags within a region
Posted by Markus Schmassmann on Mon, 23 Jan 2017 10:29:05 GMT
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On Friday, 20.01.2017 17:23 Alice wrote:
> On Friday, 20 January 2017 17:11:34 UTC+1, Markus Schmassmann wrote:
>> On 01/20/2017 04:29 PM, Alice wrote:
>>> Does anyone know how to retrieve the tags in a chosen region?
>>> Using where condition I chose pixels (ref_ppix) that satisfy a certain condition.
>>> This region have multiple number tags starting from 1.
>>> The command I used is:
>>> loc_p = where(id_chk[ref_ppix] gt 0)
>>>
>>> Here, ref_ppix comes from one image and I collect loc_p in a different image id_chk, which returns locations that have tag > 0.
>>>
>>> I want to know how many tags are there and the method to get those tags.
>>>
>>> Any help would be appreciated.
>> I'm not sure I understand what you want to do, but if I do, LABEL_REGION
>> might be what you are looking for.
>>
>> http://www.harrisgeospatial.com/docs/LABEL_REGION.html
> I have two images that I already labelled with numbers.
> Now, I chose a small region from image1 and want to get the tags in image2 that share the same spatial locations.
assuming labels1 & labels2 are arrays with unsigned integers
containing the labels for image1 & image2 respectively,
furthermore assuming these images have the same dimensions, I would try
something like this:

```
h1=histogram(labels1,min=0,reverse_indices=ri1)
max1=max(labels1)
nlabels=ulong(max1)
p1=ptrarr(max1,/allocate_heap)
for i=0,max1 do begin
    thisLabels=labels2[r1[r1[i]:r[i+1]-1]]
    u=uniq(thisLabels,sort(thisLabels))
    nlabels[i]=n_elements(u)-(u[0] eq 0)
    *p1[i]=u[(u[0] eq 0):-1]
endfor
```

This code is untested, if it does not work and you don't find the bug
yourself, pleas send me some sample data, then I can do some debugging.

Good Luck, Markus