Subject: Re: Scale many regions in one image without using xroi
Posted by eeaal on Thu, 11 Oct 2012 10:29:06 GMT
View Forum Message <> Reply to Message

On Tuesday, October 9, 2012 4:20:48 PM UTC+1, Brian J. Daniel wrote:
> Without knowing all the gritty details, I suggest that given a scaling factor (xscale, yscale),
>
>
>
> s2 = size(array2)
>
> scale_array2 = Congrid(array2, s2[1]*xscale, s2[2]*yscale)
>
>
>
> Optionally, you can crop your carray2 back to the original size.
>
>
>
> new_s2 = size(scale_array2) ; new dimensions
>
> tmp = Shift(carray,-1.0*(new_s2[1]-s2[1])/2.0,-1.0*(new_s2[2]-s2[2])/2.0) ; shifts to new 0,0 location
>
> crop_scale_array2 = scale_array[0,s2[1]-1,0,s2[2]-1] ; crop
>
>
>
> -Brian
>
>
>
> On Monday, October 8, 2012 9:12:52 AM UTC-4, (unknown) wrote:
>
>> Hi,
>
>>
>
>>
>
>>
>
>> I've been searching all morning and can't find an answer to a problem
>
>>
>
>> I'm having:
>

>>
>
>>
>
>>
>
>> I have two 2-D arrays which have clusters of 1s in an array of 0s.
>
>>
>
>> I'm interested these clusters (shapes). Some of the shapes are
>
>>
>
>> present in both arrays, some are missing from one or the other and in
>
>>
>
>> array 2 the shapes are too small. I want to scale up the shapes in
>
>>
>
>> array 2 so that the coincident shapes are the same size in both
>
>>
>
>> arrays. I can use label_region to find the shapes and calculate a
>
>>
>
>> correction factor. I just need a way to scale the shapes, presumeably
>
>>
>
>> by growing them from a central point.
>
>>
>
>>
>
>>
>
>> Any ideas? I want to include this in a program which loops round
>
>>
>
>> hundreds of images so using XROI is not really an option...
>

>>
>
>>
>
>>
>
>> Thanks in advance.
>
>>
>
>>
>
>>
>
>> AA

Thanks Brian,

I thought of this, but if I scale up array2 so that the objects are the right size, then they will be displaced with respect to the objects in array 1. It is important that they are co-located as I am going to stack the arrays.

Unless you can tell me of a way to only scale the 1 pixels and then reposition them individually somehow?

Amb
