
Subject: Re: Speed Improvement

Posted by [rogass](#) on Wed, 26 Jan 2011 20:53:50 GMT

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On 25 Jan., 13:59, Jeremy Bailin <astroco...@gmail.com> wrote:

> On Jan 25, 4:24 am, Rony K Varghese <ronykvargh...@gmail.com> wrote:

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>
> > Dear All,
>
> > How can i improve the speed of below IDL source through code
> > optimizing..Now the performance is not satisfactory..
>
> > ;Processing a picture
> > for sCount = 0, 9 do begin
> > for sRow = UpperRow, LowerRow do begin
> > for sCol = sLeftCol, sRightCol do begin
> > ; Check whether high pixels.
> > if E_F_ATTNMAP_HIGH_PIXEL eq PixelArr[sCol, sRow] then
> > begin
> > sXCol = sCol
> > sYRow = sRow
> > endif
> > ; from the center to the left
> > for sIndex = 0, sHalfWid do begin
> > if HIGH_PIXEL eq vTemp[sXCol - sIndex, sYRow] then
> > begin
> > PixelArr[sXCol - sIndex, sYRow] = HIGH_PIXEL
> > endif else begin
> > break ; break from for sIndex
> > endelse
> > endfor
> > ; from the center to the right
> > for sIndex = 0, sHalfWid do begin
> > if HIGH_PIXEL eq vTemp[sXCol + sIndex, sYRow] then
> > begin
> > PixelArr[sXCol + sIndex, sYRow] = HIGH_PIXEL
> > endif else begin
> > break ; break from for sIndex
> > endelse
> > endfor

```

>> ; from the center to down
>> for sIndex = 0, sHalfHght do begin
>>   if HIGH_PIXEL eq vTemp[sXCol, sYRow+ sIndex] then
>> begin
>>     PixelArr[sXCol, sYRow+ sIndex] = HIGH_PIXEL
>>   endif else begin
>>     break ; break from for sIndex
>>   endelse
>> endfor
>> ; from the center to up
>> for sIndex = 0, sHalfHght do begin
>>   if HIGH_PIXEL eq vTemp[sXCol, sYRow - sIndex] then
>> begin
>>     PixelArr[sXCol, sYRow - sIndex] = HIGH_PIXEL
>>   endif else begin
>>     break ; break from for sIndex
>>   endelse
>> endfor
>> endfor; end for sCol
>> endfor; end for sRow
>> endfor; end for sCount
>
>> Thanks in advance..
>> Rony
>
> It might help if you could get a sketch of what this is supposed to
> do.
>
> -Jeremy.

```

Same to me. If you want to perform a pattern matching maybe this works:

```

width = 2*halfwid+ (((halfwid mod 2) eq 0?) 1 :0)
wh = where(convol(/edge_zero,vtemp,rebin([high_pixel],width,width ,/
samp)) $
  eq (width*highpixel^2),c)
if c gt 0 then pixelarr[wh]=high_pixel

```

Cheers

CR
