
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_ATTMAP_HIGHPixel 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