
Subject: Re: Speed Improvement

Posted by [Jeremy Bailin](#) on Thu, 27 Jan 2011 15:38:41 GMT

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On Jan 26, 10:56 pm, Rony K Varghese <ronykvargh...@gmail.com> wrote:

> On Jan 25, 10:03 pm, jeanh

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> <jghasb...@DELETETHIS.environmentalmodelers.ANDTHIS.com> wrote:

>> Hi,

>

>> first, you are not using sCount anywhere... remove this loop

>

>> Instead of looping through all pixels, look for the needed ones

>

>> pixelsToProcess = where(PixelArr eq E_F_ATTNMAP_HIGH_PIXEL,

>> countPixToProcess)

>

>> sXYcol = array_indices(pixelArr, pixelsToProcess) ;get the 2D coords

>

>> for i=0L, countPixToProcess -1 do begin

>> ;process

>> endfor

>

>> Jean

>

>> On 25/01/2011 4:24 AM, Rony K Varghese wrote:

>

>>> ;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
>

```

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> Thank you all for the help to me.....
> This function is to scan and process each pixel of the 128*128 picture
> as in the source code.
> I cannot remove the for loop of scount, because that much times the
> code needs to be executed.

```

Well, yes, I got that much. :-)= I was trying to understand what processing you are doing in order to suggest a more efficient method.

-Jeremy.