
Subject: Re: Speed Improvement

Posted by [Rony K Varghese](#) on Thu, 27 Jan 2011 03:56:57 GMT

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On Jan 25, 10:03 pm, jean

<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_ATTMAP_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_ATTMAP_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

```

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.