
Subject: Re: Speed Improvement
Posted by [jeanh](#) on Tue, 25 Jan 2011 13:03:31 GMT
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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
```
