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```
>
>
> function imageSD, image
>
>     localmean = smooth(float(image), 3, /edge_truncate)
>     localsd = (float(image)-temporary(localmean))^2
>     localsd = smooth(temporary(localsd), 3, /edge_truncate)
>     localsd = sqrt(temporary(localsd))
>
>     return, localsd
>
> end
>
> Struan
```

My routine:

```

;=====
function ben_imageSD, image

siz = size(image,/dim)

standdev = fltarr(siz[0],siz[1])

for i=1,siz[0]-2 do begin
    for j=1,siz[1]-2 do begin
        standdev[i,j] = sqrt(total((image[i-1:i+1,j-1:j+1]-$
total(image[i-1:i+1,j-1:j+1])/9.)^2)/8.)
    endfor      ;tricky bit ~~~~~
endfor          ;to do without loops
return,standdev
end

;=====

```

```
function IDL_imageSD, image
```

```
siz = size(image,/dim)
```

```
standdev = fltarr(siz[0],siz[1])
```

```
for i=1,siz[0]-2 do begin
```

```
    for j=1,siz[1]-2 do begin
```

```
        standdev[i,j]=stddev(image[i-1:i+1,j-1:j+1])
```

```
    endfor
```

```
endfor
```

```
return,standdev
```

```
end
```

```
;=====
```

They do similar things but with loops. Can't figure out how to do this without loops!

Thanks,

Ben
