
Subject: Re: STANDARD DEVIATON

Posted by [Struan Gray](#) on Tue, 01 Aug 2000 07:00:00 GMT

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Oops. I need more (or less) coffee:

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

Naturally, you should take the local average **before** the square root.

```
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
