
Subject: Re: Looking for more ideas on code ...
Posted by [meinel](#) on Wed, 02 Oct 2002 14:13:45 GMT
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jeyadev@wrc.xerox.bounceback.com (Surendar Jeyadev) wrote in message
news:<anac2a\$53h\$1@news.wrc.xerox.com>...

```
> function sinc, y
>
>
> if(n_elements(y) eq 1) then begin          ; y is a scalar
>   if(y eq 0.0) then profile = 1.0 else begin
>     profile = sin(y)/y
>   endelse
> endif else begin                          ; y is a vector
>   zeros = where(y eq 0.0, ind)
>   if(ind gt 0) then y(zeros) = 1.0e-10    ; set zeroes to a small quantity
>   profile = sin(y)/y
> endelse
>
> profile = profile*profile/a0
>
>
> return, profile
>
> end
```

Neat tricks! But, how about the one-line solution:

```
profile = (sin(y) + (y EQ 0))/(y + (y EQ 0))
```

Ed M
