
Subject: Re: about the blackbody radiation curve

Posted by [Paul Van Delst\[1\]](#) on Fri, 03 Sep 2010 13:52:47 GMT

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Wox wrote:

```
>  
> Do something like  
>  
> y=a/(exp((h*c)/(k*x*t))-1)  
> ind=where(x eq 0,ct)  
> if ct ne 0 then y[ind]=0
```

I would recommend checking stuff before the calculation is done:

```
; Check values  
loc = WHERE(x LT Tolerance OR FINITE(x) EQ 0, count)  
IF ( count GT 0 ) THEN $  
    MESSAGE, 'Input X-values < or = 0.0, NaN, or Inf found.'
```

where "Tolerance" is the eps output from MACHAR. One should avoid floating point equality tests.

cheers,

paulv
