
Subject: Re: 2 arrays, average, missing data
Posted by [R.G. Stockwell](#) on Thu, 08 Sep 2005 14:53:16 GMT
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"KJM" <kimberlite@gmail.com> wrote in message
news:1126189124.079832.197820@f14g2000cwb.googlegroups.com... .

> HI All,

...

> If A = 0, C = B

> If B = 0, C = A

> If A and B EQ 0, C = 0

> If A and B NE 0, C = (A+B)/2

> Any help appreciated!

> Thanks.

Hi,
something along the lines of

```
gooddata = a*b
c = dblarr(n_elements(a))
zeros = where(gooddata eq 0,count,complement = nonzeros)
if count gt 0 then begin
    c[nonzeros] = (a[nonzeros]+b[nonzeros])/2
    c[zeros] = a[zeros] > b[zeros]
endif
```

NOTE: this assumes the values are greater than zero.
If they are not, then using zeros as the "bad value" may cause some
problems.

Cheers,
bob
