
Subject: confused multiplying arrays

Posted by [paulartcoelho](#) on Thu, 11 Nov 2010 21:11:47 GMT

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hello,

i've got two arrays:

```
IDL> help,area,fluxes
```

```
AREA          FLOAT    = Array[2000]
```

```
FLUXES        FLOAT    = Array[2000, 112864]
```

I want the i-th element in area AREA[i] to multiply all elements in the corresponding 2nd dimension in fluxes FLUXES[i,*] and then sum up all the 2000 resulting fluxes, i.e., using loop:

```
for i = 0,1999 do begin
```

```
    TOTAL_FLUX = TOTAL_FLUX + AREA[i]*reform(FLUXES[i,*])
```

```
endfor
```

i've been trying to figure out (without success) how to compute TOTAL_FLUX without the loop using TOTAL(). ideas?

thx

p.
