Subject: writing equation in IDL
Posted by Baro on Fri, 29 Jun 2012 15:55:42 GMT
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Hello,

I have this function. I computed each parameters and they have the following dimensions

lmax = 60

Kl = 1X60
l = 1X60

I wrote it in the following way but the results i am getting is not the one i expect

```
Factor = Replicate(0.0,1,lmax)
FOR l = 0,lmax-1 DO BEGIN
      Factor[l] = trans*((2.0*l+1.0)/(Kl[l]+1.0))
 ENDFOR
      cosm = REPLICATE(0.0,londim,lmax)
      sinm = REPLICATE(0.0,londim,lmax)
 FOR m = 0,lmax-1 DO BEGIN
       FOR i = 0,londim-1 DO BEGIN
             theta = (33.0+i)
             phase = theta*m*dtr
              cosm[i,m] = COS(phase)
              sinm[i,m] = SIN(phase)
       ENDFOR
 ENDFOR

      rmass = Replicate(0.0,londim,latdim)
    FOR j = 0,latdim-1 DO BEGIN
           phi = (3.0+j)*dtr
        Plm = legendresfunction(phi, lmax)
      rmass[j,*] = total(rmass + Factor * ((DClm # Plm) ## cosm + (DSlm # Plm) ## sinm))
    ENDFOR
```

Can you help please