```
if( fetch( "omhat", "i", omhat)==0)  omhat = 0          # ω̂
if( fetch( "kxhat", "i", kxhat) == 0 ) kxhat = 0        #  k̂_x
if( fetch( "kzhat", "i", kzhat) == 0 ) kzhat = 0        # k̂_z
if( fetch("degree", "i",degree) == 0 ) degree= 90
if( fetch( "tfilt", "i", tfilt) == 0 )  tfilt = 1
if( fetch( "xfilt", "i", xfilt) == 0 )  xfilt = 1

if( fetch(   "rho", "f",   rho) == 0 )  rho  = 1-4./nw
if( fetch(    "bi", "f",    bi) == 0 )  bi   = 6.726      # b^-1
if( fetch(    "r0", "f",    r0) == 0 )  r0   = 0.7071
if( fetch(   "eps", "f",   eps) == 0 )  eps  = 0.

call putch("d1","f", dt);       call putch("label1","s","sec")
call putch("d2","f", dx);       call putch("label2","s","kilometers")
call hclose()                           # close data description file
pi = 3.14159265
do ik = 1, nk {                         # loop over all k_x
        k = 2*pi * (ik-1.) / nk
        if( k > pi )            k = k - 2*pi
        k = k / dx
        if( kxhat == 0 )
                vk2 = (v/2)**2 * k*k
        else
                vk2 = (v/2)**2 * (2/dx)**2 * sin(k*dx/2)**2  / (1 -
                                (4./bi) * sin(k*dx/2)**2 )

        do iw = 1, nw {                         # loop over all ω
                omega = 2*pi * (iw-1.) / nw
                if( omega > pi )    omega = omega - 2*pi
                omega = omega / dt
                cz = cexp( cmplx( 0., omega * dt ) )
                if( omhat == 0 )
                        cs = cmplx( 1.e-5 / dt, - omega)
                else
```