#Dust parameters

#angDustFact = 0.5\*2\*10\*(10.0/1.8/8.0)\*2e-6 #uK^2

angDustFact = 2\*4e-12

dustSpecIndex = 1.5

dustEll0 = 10.0

dustNu0 = 90.0e9

dustM = -0.5

#For calculating the polarized galactic dust angular power spectrum

def dustAngPowSpec(eta, nu, ell, fact=angDustFact, beta=dustSpecIndex, ell0=dustEll0, nu0=dustNu0, m=dustM):

return eta\*((2\*PI\*fact)/(ell\*(ell + 1)))\*((nu/nu0)\*\*(2\*beta))\*((ell/ell0)\*\*m)

#return eta\*((fact))\*((nu/nu0)\*\*(2\*beta))\*((ell/ell0)\*\*m)

#Synchrotron parameters

#angSyncFact = 0.5\*2\*10\*(0.1/1.8/9)\*2e-6 #uK^2

angSyncFact = 4e-12

syncSpecIndex = -3.0

syncEll0 = 10.0

syncNu0 = 90.0e9

syncM = -0.6

#For calculating the polarized synchrotron radiation angular power spectrum

def syncAngPowSpec(eta, nu, ell, fact=angSyncFact, beta=syncSpecIndex, ell0=syncEll0, nu0=syncNu0, m=syncM):

return eta\*((2\*PI\*fact)/(ell\*(ell + 1)))\*((nu/nu0)\*\*(2\*beta))\*((ell/ell0)\*\*m)

#return eta\*((fact))\*((nu/nu0)\*\*(2\*beta))\*((ell/ell0)\*\*m)