Text, letter

Description automatically generated

**compute\_px.m**

Px=(1-1e-6+prod(M,1)')/2;

M=1- (mz\*ones(1,Nt)).^2.\*((1-cos\_alp).\*(1-ones(K,1)\*cos\_bet')./(1+cos(Phi))).\*sin(N\*Phi/2).^2;

Phi=acos(cos\_alp.\*(ones(K,1)\*cos\_bet')- sin\_alp.\*(mx\*sin\_bet'));

mx=(A+wl)./w\_tilde;

**<= these 2 are inverted to correct typo**

mz=B./w\_tilde;

alp=w\_tilde\*tau'

w\_tilde=sqrt((A+wl).^2+B.^2);

bet=tau\*wl;

N=256;

wl=2\*pi\*10.7084\*1e6\*40.3\*1e-3;

**compute\_mx.m**

mx=1- (mz\*ones(1,Nt)).^2.\*((1-cos\_alp).\*(1-ones(K,1)\*cos\_bet')./(1+cos(Phi))).\*sin(N\*Phi/2).^2;