

Phase2=angle (C2) ;%atan (imag (C2) ./real (C2)) ;

U1=Amp1. *exp (j. *Phase2) ;

U2=Amp2. *exp (j. *Phase1) ;

l1o=ifft2 (U1) ;

l2o=ifft2 (U2) ;

figure

subplot (221)

imshow (l1)

title('input l1')

subplot (222)

imshow (l2)

title('input l2')

subplot (223)

imshow (l1o)

title('l1`=~l2')

subplot (224)

imshow (l2o)

title('l2`=~l1')