

```

%reading source files
siti1=imread('siti1b.jpg');
siti1=double(siti1)/255;
siti2=imread('siti2b.jpg');
siti2=double(siti2)/255;
%showing initial pictures
figure
imshow(siti1);title('original 1');
figure
imshow(siti2);title('original 2');
%exchanging phase and showing the result
fft2_siti1=fft2(siti1);fft2_siti2=fft2(siti2);
abs_siti1=abs(fft2_siti1);abs_siti2=abs(fft2_siti2);
ang_siti1=angle(fft2_siti1);ang_siti2=angle(fft2_siti2);
new_siti1=abs_siti2.*exp(i*ang_siti1);
new_siti2=abs_siti1.*exp(i*ang_siti2);

```

