The original code in page 2-18 for the EPRY scheme is as follows:

```
seq = gseq(arraysize);
objectRecover = ones(m,n);
objectRecoverFT = fftshift(fft2(objectRecover));
loop = 25;pupil=1;
for tt=1:loop
    for i3=1:arraysize^2
        i2=seq(i3);
        kxc = round((n+1)/2+kx(1,i2)/dkx);
        kyc = round((m+1)/2+ky(1,i2)/dky);
        kyl=round(kyc-(m1-1)/2);kyh=round(kyc+(m1-1)/2);
        kxl=round(kxc-(n1-1)/2);kxh=round(kxc+(n1-1)/2);
        lowResFT_1 = (m1/m)^2 *
                              objectRecoverFT(kyl:kyh,kxl:kxh).*CTF.*pupil;
        im_lowRes = ifft2(ifftshift(lowResFT_1));
        im_lowRes = (m/m1)^2 *
                            imSeqLowRes(:,:,i2).*exp(1i.*angle(im_lowRes));
        lowResFT_2 = fftshift(fft2(im_lowRes)).*CTF.*(1./pupil);
        objectRecoverFT(kyl:kyh,kxl:kxh) = objectRecoverFT(kyl:kyh,kxl:kxh)
                                  + conj(pupil)./(max(max(abs(pupil).^2)))
                                                .*(lowResFT_2 - lowResFT_1);
        pupil = pupil + conj(objectRecoverFT(kyl:kyh,kxl:kxh))
                    ./(max(max(abs(objectRecoverFT(kyl:kyh,kxl:kxh)).^2)))
                                                .*(lowResFT_2 - lowResFT_1);
    end;
end;
objectRecover=ifft2(ifftshift(objectRecoverFT));
imshow(abs(objectRecover),[]);
figure;imshow(angle(objectRecover),[]);
figure;imshow(log(objectRecoverFT),[]);
```

It should be corrected to:

```
seq = gseq(arraysize);
objectRecover = ones(m,n);
objectRecoverFT = fftshift(fft2(objectRecover));
loop = 25;pupil=1;
for tt=1:loop
    for i3=1:arraysize^2
        i2=seq(i3);
        kxc = round((n+1)/2+kx(1,i2)/dkx);
        kyc = round((m+1)/2+ky(1,i2)/dky);
        kyl=round(kyc-(m1-1)/2);kyh=round(kyc+(m1-1)/2);
        kxl=round(kxc-(n1-1)/2);kxh=round(kxc+(n1-1)/2);
        lowResFT_1 = objectRecoverFT(kyl:kyh,kxl:kxh).*CTF.*pupil;
        im_lowRes = ifft2(ifftshift(lowResFT_1));
        im_lowRes = (m/m1)^2 *
                            imSeqLowRes(:,:,i2).*exp(1i.*angle(im_lowRes));
        lowResFT_2 = fftshift(fft2(im_lowRes));
        objectRecoverFT(kyl:kyh,kxl:kxh) = objectRecoverFT(kyl:kyh,kxl:kxh)
                        + conj(CTF.*pupil)./(max(max(abs(CTF.*pupil).^2)))
                                                .*(lowResFT_2 - lowResFT_1);
        pupil = pupil + conj(objectRecoverFT(kyl:kyh,kxl:kxh))
                    ./(max(max(abs(objectRecoverFT(kyl:kyh,kxl:kxh)).^2)))
                                                .*(lowResFT_2 - lowResFT_1);
    end;
end;
```