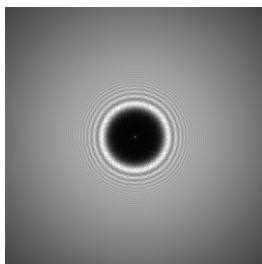
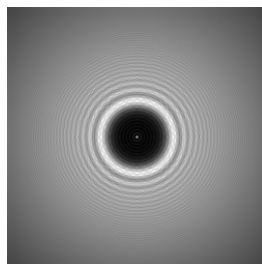


```
1 %Simulation with LightPipes for Matlab.
2 %March 1998. F.A. van Goor.
3 %PoissonSpot.m
4 %The spot of Poisson.
5 clear all;
6
7 m=1;
8 nm=1e-9*m;
9 mm=1e-3*m;
10 cm=1e-2*m;
11
12 lambda=632.8*nm;
13 size=10*mm;
14 N=250;
15 a=1*mm;
16 dz=20*cm;
17 z0=20*cm;
18 F=LPPBegin(size,lambda,N);
19 F=LPGaussHermite(0,0,1.0,size/1.0,F);
20 F=LPCircScreen(a,0,0,F);
21 figure('Position',[20 100 1492 462]);
22 for i=0:8
23     z=z0+i*dz;
24     F1=LPForward(z,F);
25     I=LPIIntensity(1,F1);
26     subplot(2,5,i+1);
27     subimage(I);
28     Str=sprintf('z=%4.1f cm',z/cm)
29     title(Str);
30     axis off;
31 end
```

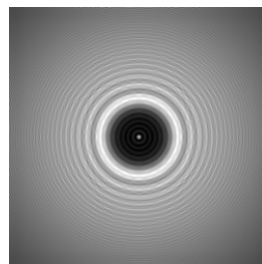
$z=20.0$  cm



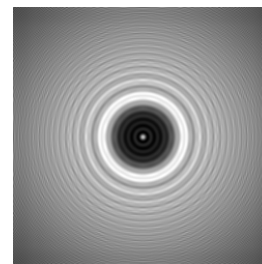
$z=40.0$  cm



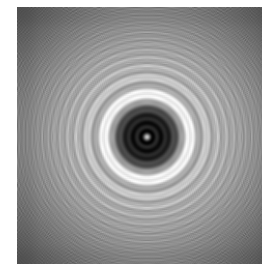
$z=60.0$  cm



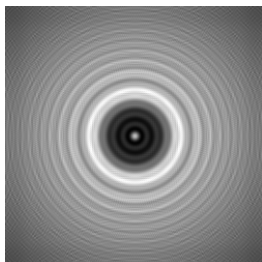
$z=80.0$  cm



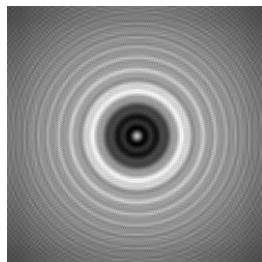
$z=100.0$  cm



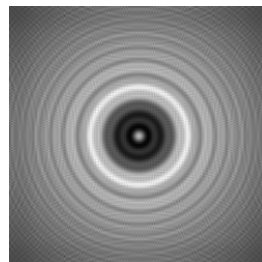
$z=120.0$  cm



$z=140.0$  cm



$z=160.0$  cm



$z=180.0$  cm

