Table of Contents

Reader cylindrical coordinate 2D	
Grid parameters	
Movie time interaction 1	

Reader cylindrical coordinate 2D

```
clear all
A0 = importdata('out0.txt');
A1 = importdata('out1.txt');
A2 = importdata('out2.txt');
A3 = importdata('out3.txt');
A4 = importdata('out4.txt');
A5 = importdata('out5.txt');
A6 = importdata('out6.txt');
```

Grid parameters

Movie time interaction

```
aviobj = avifile('EWP.avi'); scrsz = get(0,'ScreenSize'); fig=figure('Position',[1 scrsz(4) scrsz(3)*0.5
scrsz(4)*0.8],... 'Color','w');

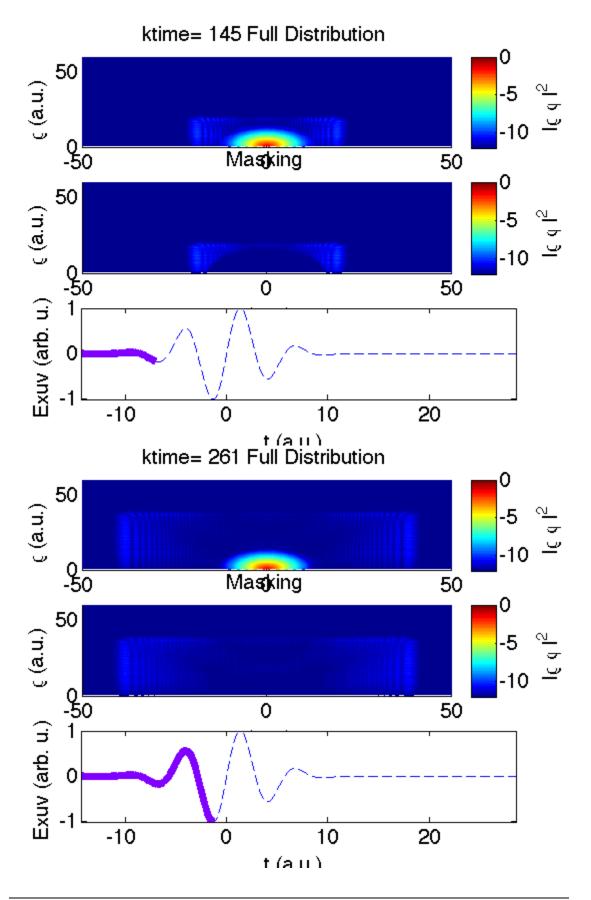
xmin = -50;
xmax = 50;
ymin = 0;
ymax = 60;

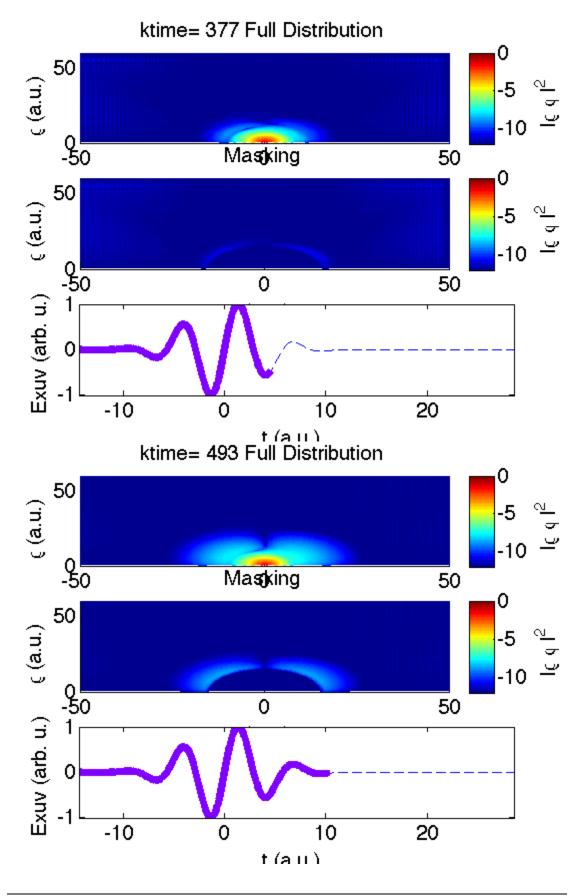
for j=1:4:Nsnap+2
%clf
figure
```

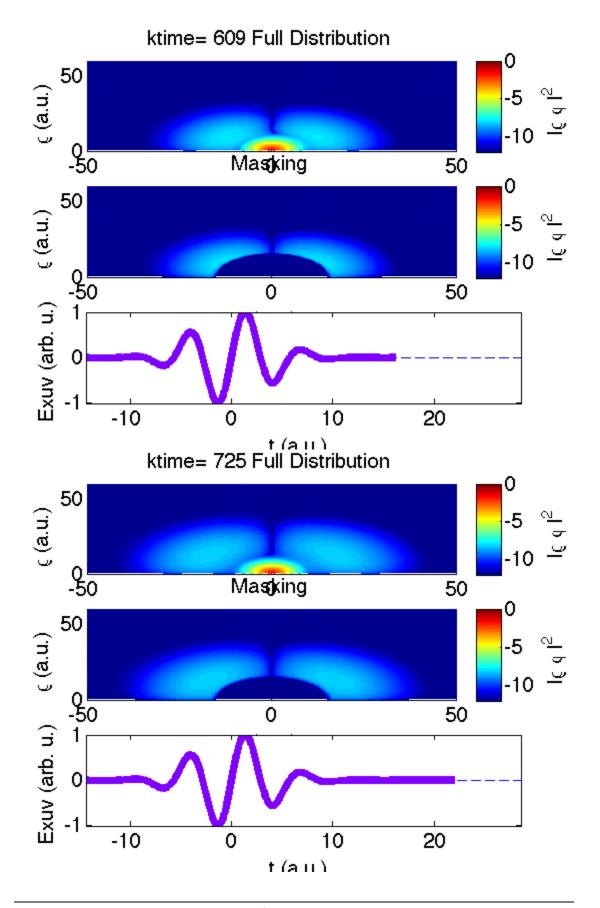
```
PHI = reshape(A3(1+nr*nz*(j-1):nr*nz*j),nz,nr);
PHI_Mask = reshape(A6(1+nr*nz*(j-1):nr*nz*j),nz,nr);
subplot(3,4,[1 2 3 4])
surfc(Z,R,log10(PHI'+1e-12),...
    'FaceColor','interp',...
'EdgeColor','none')
view(2)
axis tight
h=gca;
set(h,'fontsize',16)
title(['ktime= ',num2str(ksnap*j),' Full Distribution ' ],'fontsize',16)
h = colorbar('location','EastOutside');
set(get(h,'YLabel'),'String',' |\rho \phi |^2 ',...
     'fontsize',16)%,'fontweight','b');
caxis([-12 0])
xlim([xmin xmax])
ylim([ymin ymax])
h=gca;
set(h,'fontsize',16)
subplot(3,4,[5 6 7 8])
surfc(Z,R,log10(PHI_Mask'+1e-12),...
    'FaceColor','interp',...
'EdgeColor','none')
view(2)
axis tight
h=qca;
set(h,'fontsize',16)
title('Masking ','fontsize',16)
h = colorbar('location', 'EastOutside');
set(get(h, 'YLabel'), 'String', ' | \rho \phi | ^2 ',...
    'fontsize', 16)%, 'fontweight', 'b');
caxis([-12 0])
xlim([xmin xmax])
ylim([ymin ymax])
```

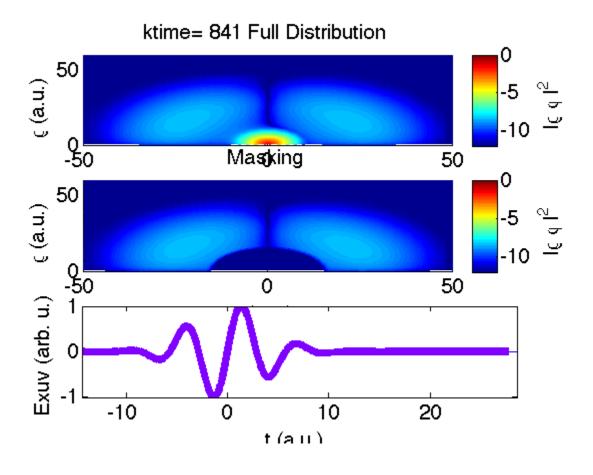
```
h=gca;
    set(h,'fontsize',16)
    subplot(3,4,[ 9 10 11 12])
plot(t,Exuv/max(Exuv),'--b','linewidth',1)
    hold on
    plot(t(1:ksnap*j+1) ,Exuv(1:ksnap*j+1)/max(Exuv),'Color',[0.5 0 1],'linewidth'
    xlabel('t (a.u.) ','fontsize',16)%
ylabel('Exuv (arb. u.) ','fontsize',16)%
    h=gca;
    set(h,'fontsize',16)
    axis tight
    %F = getframe(fig);
    %aviobj = addframe(aviobj,F);
    pause(0.01)
% aviobj = close(aviobj);
% close(fig)
                    ktime= 29 Full Distribution
                                                                           0
      50
  € (a.u.)
        0
-50
                                 Masking
                                                                 50
                                                                           0
      50
 Exuv (arb. u.) 🤅 (a.u.)
                                                                           -5
        0
-50
                                                                 50
                                      0
        1
        0
              -10
                                               10
                                0
                                                              20
```

t (a III)









Published with MATLAB® 7.10