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Reader cylindrical coordinate 2D, Imaginary time propagation

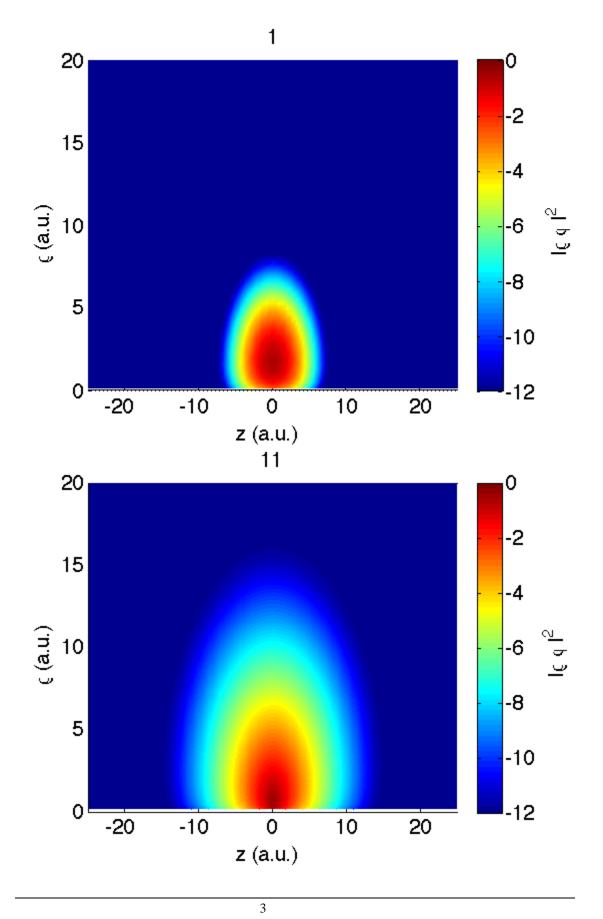
```
clear all
A0 = importdata('out0.txt');
A1 = importdata('out1.txt');
%A2 = importdata('out2.txt');
A3 = importdata('out3.txt');
A4 = importdata('out4.txt');
A5 = importdata('out5.txt');
```

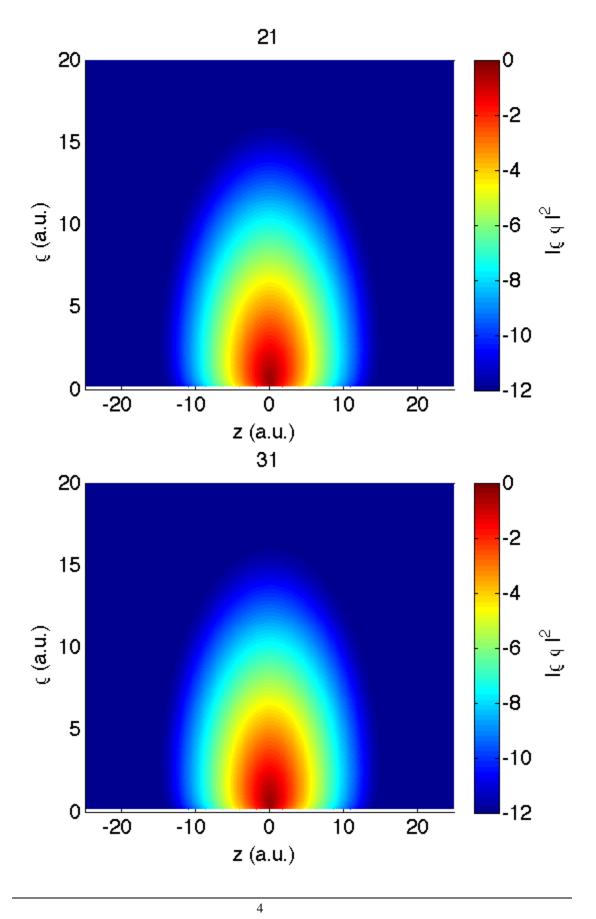
Grid parameters

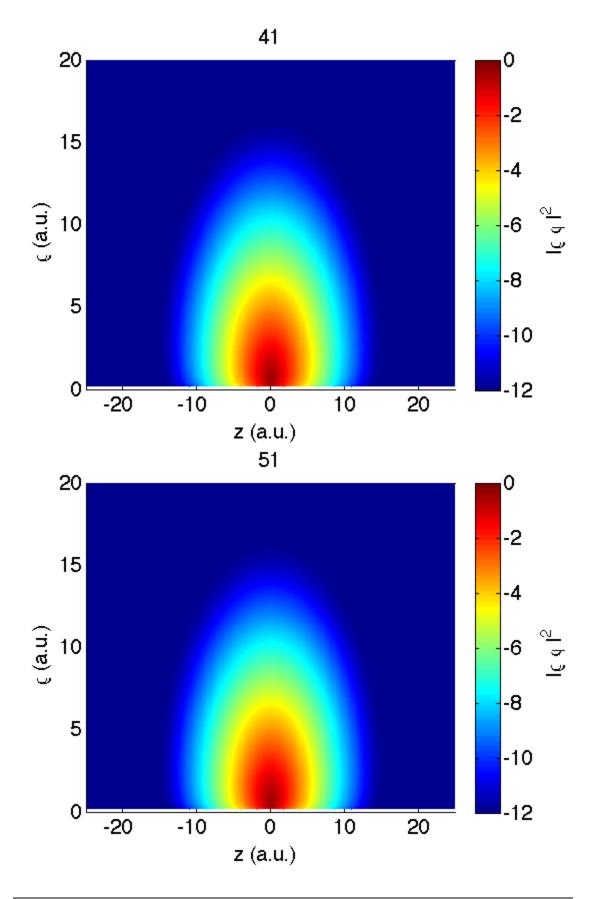
Movie Convergence bound state

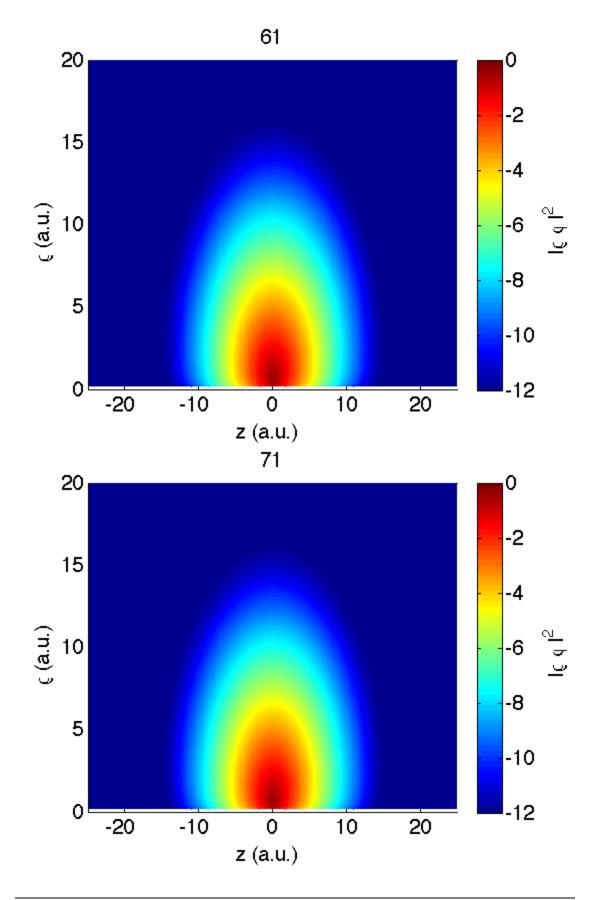
```
% 'Color','w');
   figure
   PHI = reshape(A3(1+nr*nz*(j-1):nr*nz*j),nz,nr);
   surfc(Z,R,log10(PHI'+1e-12),...
        'FaceColor','interp',...
'EdgeColor','none')
   view(2)
   axis tight
   h=gca;
   set(h,'fontsize',16)
   title(j)
   h = colorbar('location','EastOutside');
   set(get(h,'YLabel'),'String',' |\rho \phi |^2 ',...
'fontsize',16)%,'fontweight','b');
   caxis([-12 0])
   xlim([xmin xmax])
   ylim([ymin ymax])
   h=gca;
   set(h,'fontsize',16)
   pause(0.01)
end
```

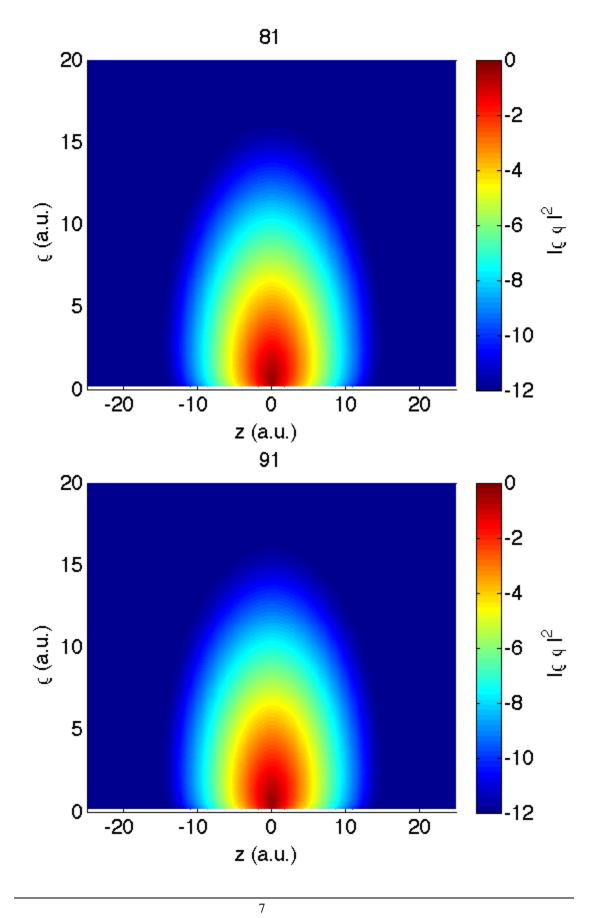
2



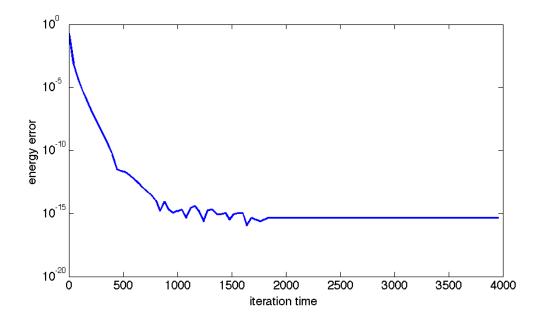








Convergence error



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