prob15_schro_driver

May 6, 2020

```
[9]: from Prob15_schro import *
```

Now we run for E < U
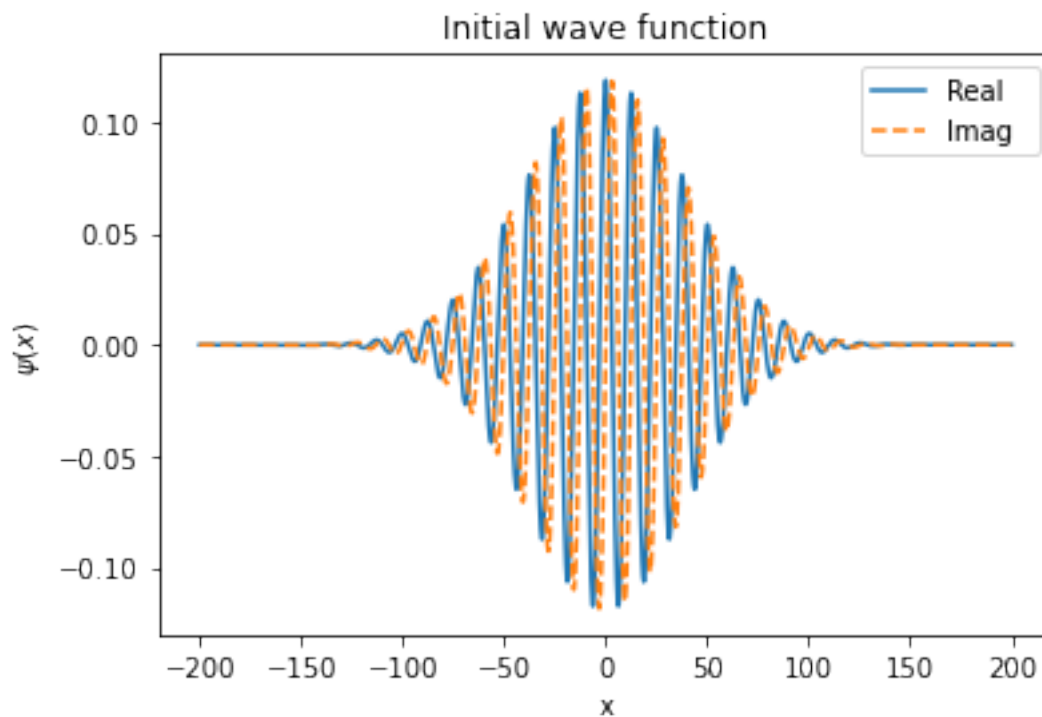
Note that E = .125 for all runs

Also, we have expanded L from L=100 to L = 600
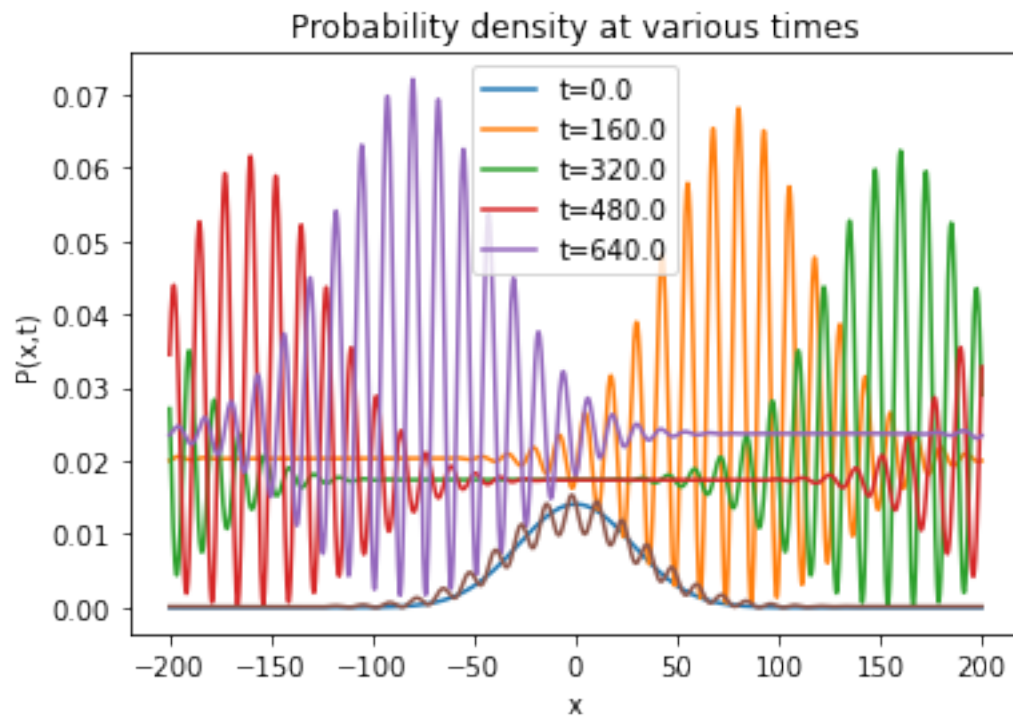
```
[10]: schro(.25)
```
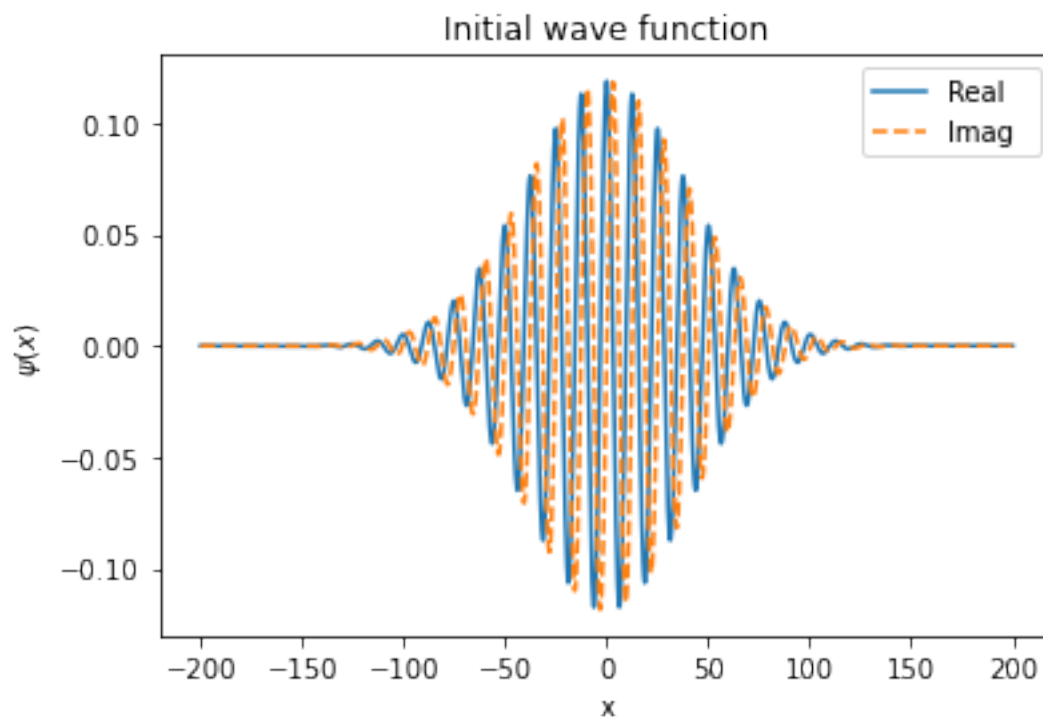
```
Particle Energy is: 0.125
Max_iter: 16001
```



```
<Figure size 432x288 with 0 Axes>
```
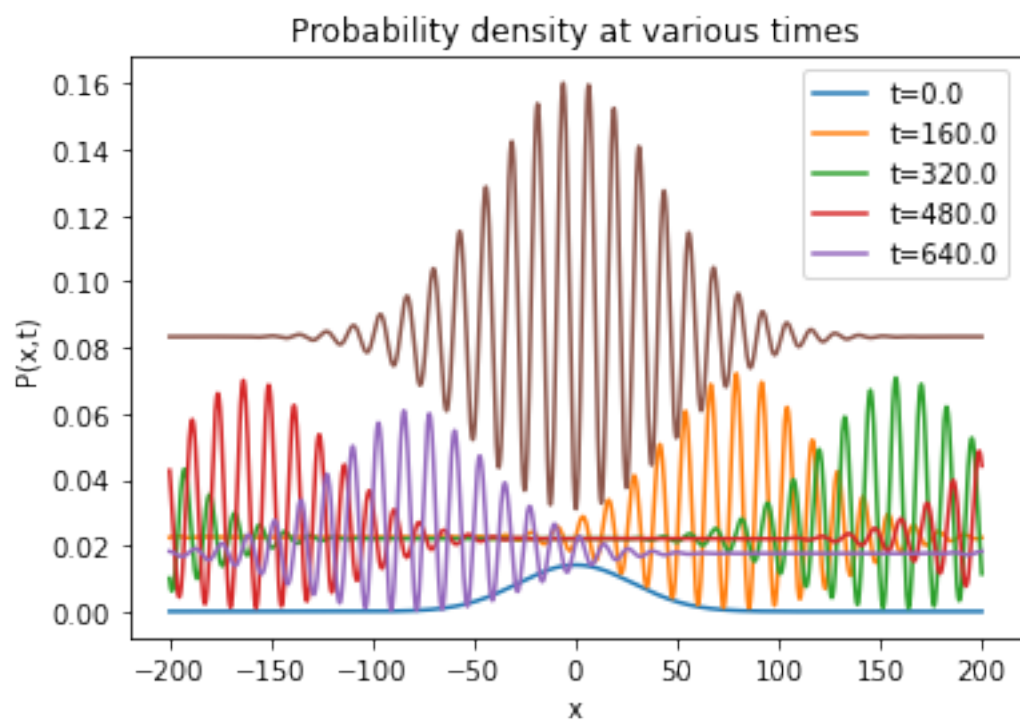
Probability density at various times

For E = U

```
[11]: schro(.125)
```

Particle Energy is: 0.125
Max_iter: 16001

Initial wave function

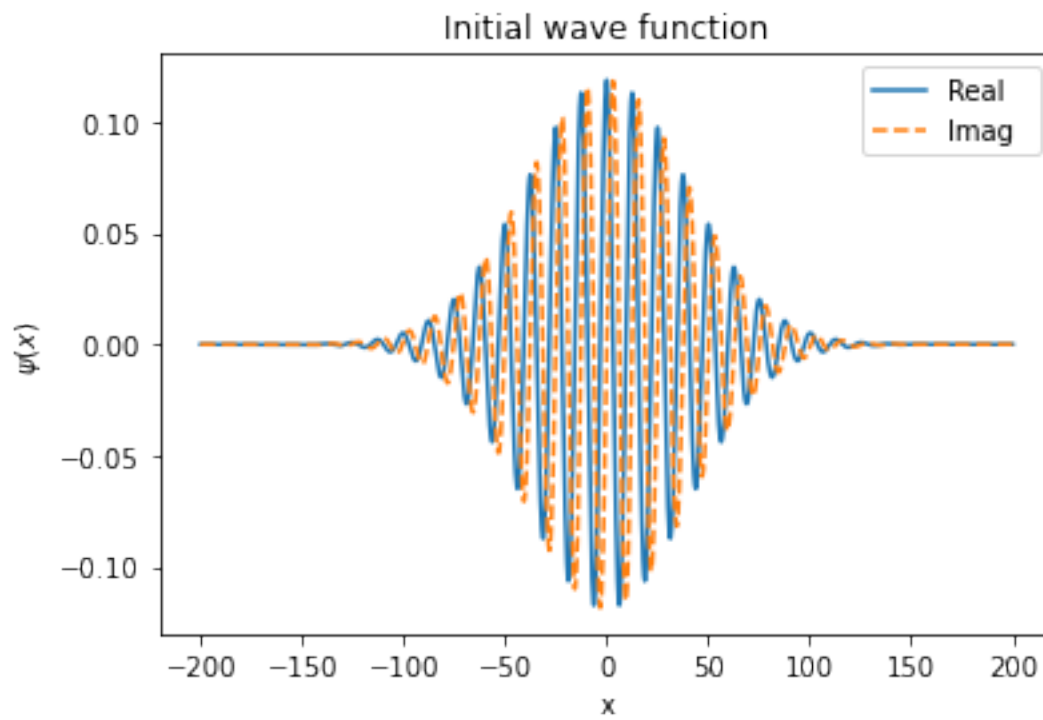<Figure size 432x288 with 0 Axes>

Probability density at various times

Finally for E > U
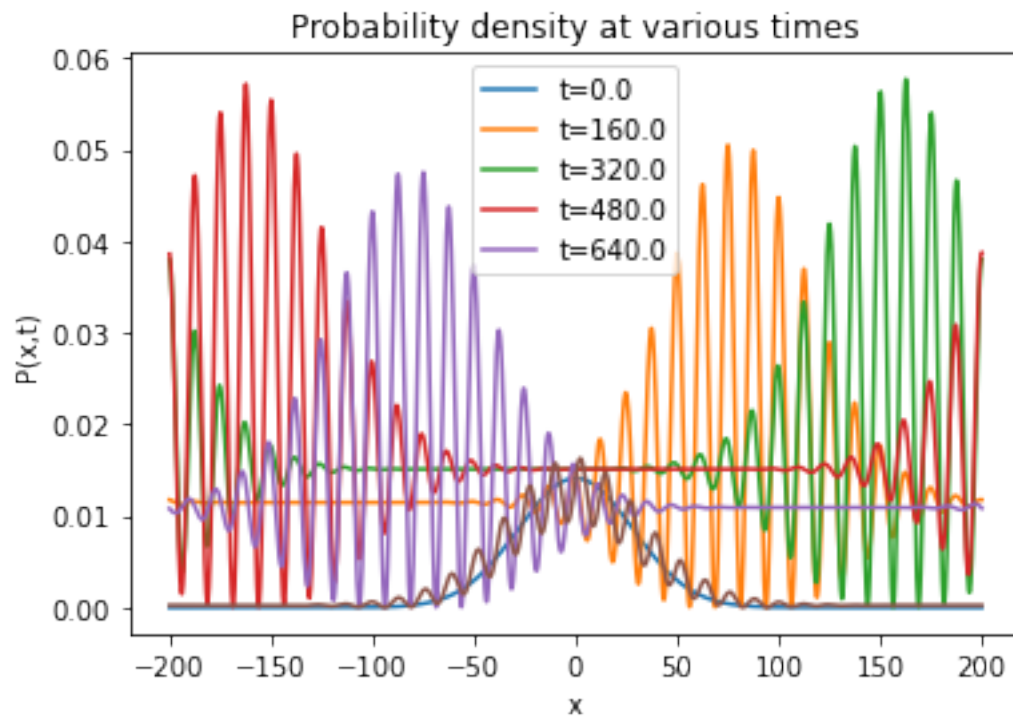
```
[12]: schro(.75)
```

Particle Energy is: 0.125
Max_iter: 16001

Initial wave function


```
<Figure size 432x288 with 0 Axes>
```

Probability density at various times

[ ]: