```
Data4 = Import["C:\\Users\\daniils\\Desktop\\code\\ureca\\SS_1D\\Sinc\\plots.txt",
    "Table", "HeaderLines" → 1];
```

In[●]:=
```
E1 = 0.22470731667019900;
E2 = 0.39066821929593748;
E3 = 0.40464034850708863;
E4 = 0.43269795101920522;
```
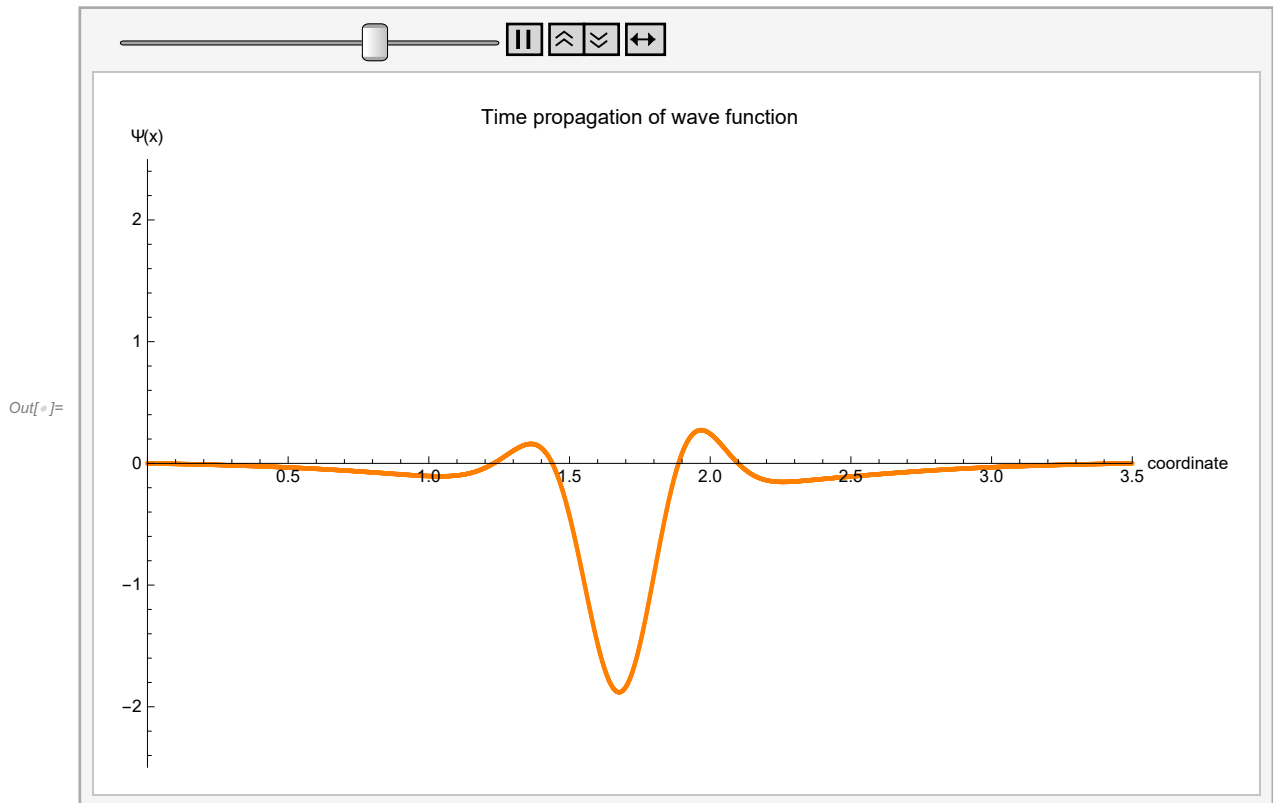
In[●]:=
```
C1 = 1/2; C2 = 1/2; C3 = 1/2; C4 = 1/2;
```

In[●]:=
```
plot = Table[Piecewise[{{Data[[i]][[j]], j == 1}, {C1 * Data[[i]][[j]] * Cos[-E1 t] +
        C2 * Data2[[i]][[j]] * Cos[-E2 t] + C3 * Data3[[i]][[j]] * Cos[-E3 t] +
        C4 * Data4[[i]][[j]] * Cos[-E4 t], j == 2}}], {i, 1, 3001}, {j, 1, 2}];
```

In[●]:=
```
tabular = Table[ListPlot[plot, PlotRange → {{0, 3.5}, {-2.5, 2.5}},
    PlotLabel → "Time propagation of wave function", AxesLabel →
      {"coordinate", "Ψ(x)"}, PlotStyle → Orange, ImageSize → Large], {t, 0, 100, 0.1}];
```

In[●]:=
```
ListAnimate[tabular]
```

Out[●]=

In[●]:=
```
Export["C:\\Users\\daniils\\Desktop\\code\\ureca\\SS_1D\\Sinc\\video.avi", tabular]
```

Out[●]= C:\Users\daniils\Desktop\code\ureca\SS_1D\Sinc\video.avi