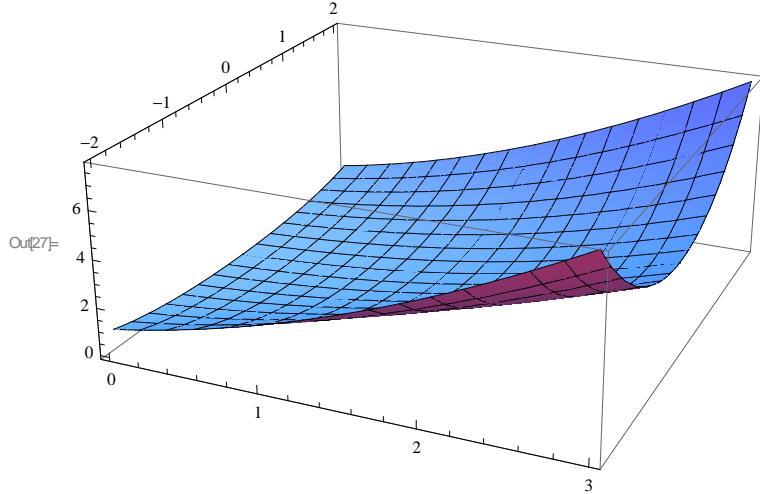


```
In[26]:= NDSolve[{D[u[x, t], t] == D[u[x, t], x, x], u[x, 0] == Exp[-1*Abs[x + 2]] + Exp[-1*Abs[x - 2]]}, u, {t, 0, 3}, {x, -2, 2}]
```

NDSolve::bcart : Warning: An insufficient number of boundary conditions have been specified
for the direction of independent variable x. Artificial boundary effects may be present in the solution . >>

```
Out[26]= {u \[Rule] InterpolatingFunction[{{{-2., 2.}, {0., 3.}}, <>}]}
```

```
In[27]:= Plot3D[Evaluate[u[x, t] /. %], {t, 0, 3}, {x, -2, 2}]
```



```
In[30]:= Plot3D[(1/2) (Exp[-1*Abs[x - t]] + Exp[-1*Abs[x + t]]) + (1/2) (Sin[x + t] - Sin[x - t]), {t, 0, 3}, {x, -5, 5}]
```

