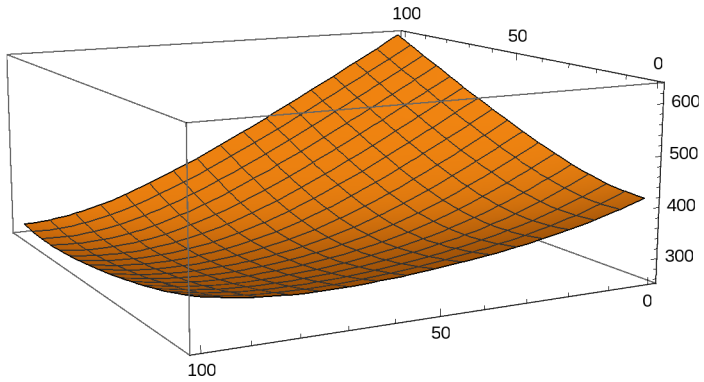
In[2]:=
```
L = 100
```

Out[2]=
```
100
```

In[3]:=
```
t[x1_, x2_] :=
 Sqrt[(L / 3) ^ 2 + x1 ^ 2] + 2 * Sqrt[(L / 3) ^ 2 + (x2 - x1) ^ 2] + 3 * Sqrt[(L / 3) ^ 2 + (L - x2) ^ 2]
```

In[8]:=
```
Plot3D[t[x1, x2], {x1, 0, L}, {x2, 0, L}]
```

Out[8]=



In[9]:=
```
D[t[x1, x2], x1]
```

Out[9]=
$$\frac{x1}{\sqrt{\frac{10000}{9} + x1^2}} - \frac{2\,(-x1 + x2)}{\sqrt{\frac{10000}{9} + (-x1 + x2)^2}}$$

In[10]:=
```
NSolve[{D[t[x1, x2], x1] == 0, D[t[x1, x2], x2] == 0}, {x1, x2}]
```

Out[10]=
```
{{x1 → 72.416, x2 → 89.4097}, {x1 → 72.416, x2 → 89.4097}}
```