

## hw2\_q2

February 3, 2023

```
[17]: import numpy as np
import matplotlib.pyplot as plt
```

```
[21]: u = lambda x : 1/12*(-x**4 + 1000*x)

pos = np.linspace(0,10,100)
u_dist = []
for i in range(len(pos)):
    u_dist.append(u(pos[i]))

plt.plot(pos, u_dist)
plt.grid()
```

