HPC_lab2

September 28, 2023

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

```python
[2]: # Loading the data, skipping first 3 lines
     data = np.genfromtxt('CPUdata.dat', skip_header=3)
```

```python
[5]: # Extracting the data
     time_data = data[:, 0]
     usage_data = data[:, 1]
```

```python
[22]: # Generating the plot
      plt.figure(figsize=(10, 6))
      plt.plot(time_data, usage_data, label='CPU Usage')
      plt.xlabel('Time')
      plt.ylabel('CPU Usage')
      plt.title('Time vs. CPU Usage')
      plt.legend()
      plt.tight_layout()
```