

Cheat sheet: Plotting via Matplotlib

Accessing pyplot interface

```
import matplotlib.pyplot as plt
```

Obtaining Figures and Axes instances

```
fig, ax = plt.subplots()
```

```
fig, ax = plt.subplots(nrows, ncols)
```

Some Axes methods

```
ax.plot(xvals, yvals, ...)
```

```
ax.set_xlim(), ax.set_ylim()
```

```
ax.set_xticks(), ax.set_yticks()
```

```
ax.annotate(...)
```

```
ax.legend(...)
```

```
ax.xaxis.set_ticks_position(...)
```

```
ax.spines["top"].set_position(...)
```

```
ax.spines["top"].set_color(...)
```

Some useful Figures methods

```
fig.show()          Show figure
```

```
fig.savefig(..)     Save figure to file
```

Global functions

```
plt.show()          Show plot in new window
```

Some plot options

```
color              "red", "blue", ..
```

```
linewidth          Width in pixels
```

```
linestyle          "-", "--", "o"
```

```
label              Label in legend box
```

```
TeX sequences     r"$\frac{1}{2}$"
```

Generating equidistant grid

```
np.linspace(from, to, steps, ..)
```