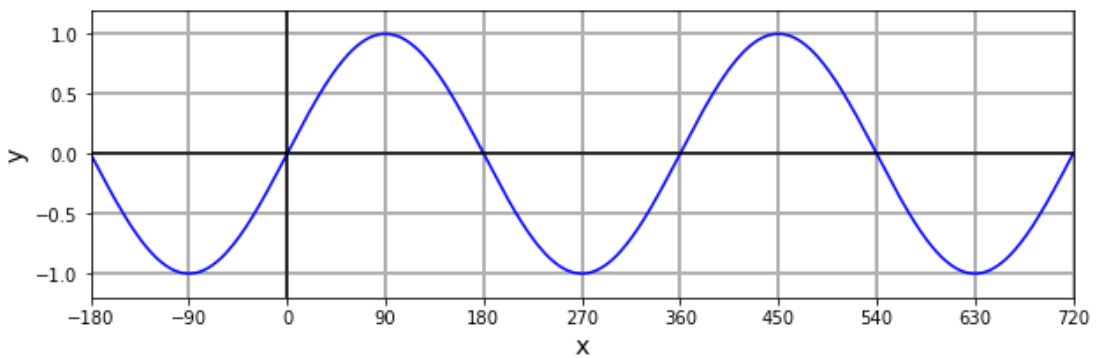


```
In [1]: %matplotlib inline
import numpy as np
import matplotlib.pyplot as plt
```

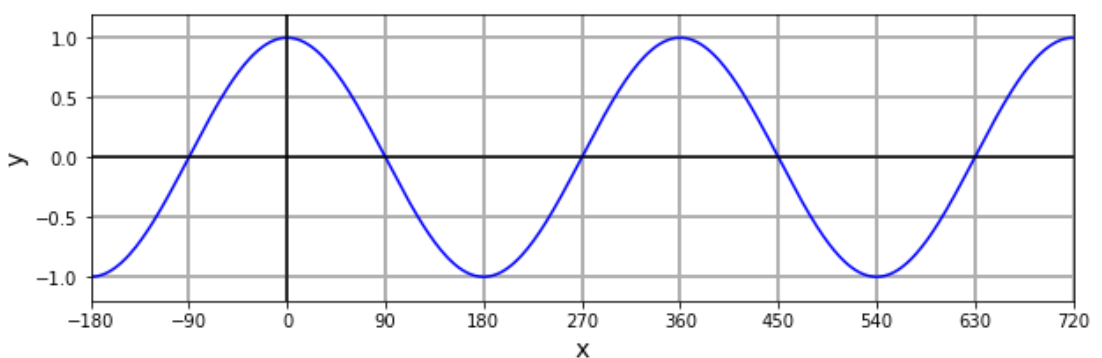
```
In [2]: from matplotlib_inline.backend_inline import set_matplotlib_formats
set_matplotlib_formats('png', 'pdf')
```

```
In [3]: def sin(x):
        return (np.sin(x * np.pi / 180.))
def cos(x):
        return (np.cos(x * np.pi / 180.))
x = np.linspace(-180.0, 720, 500)
```

```
In [4]: fig = plt.figure(figsize=(10, 3))
plt.xlabel('x', fontsize=14)
plt.ylabel('y', fontsize=14)
plt.xlim(-180.0, 720.0)
plt.xticks(np.arange(-180, 810, 90))
plt.ylim(-1.2, 1.2)
plt.grid(lw=2)
plt.plot(x, sin(x), c='b')
plt.plot([-180, 721], [0, 0], color='black')
plt.plot([0, 0], [-1.5, 1.5], color='black')
plt.show()
```



```
In [5]: fig = plt.figure(figsize=(10, 3))
plt.xlabel('x', fontsize=14)
plt.ylabel('y', fontsize=14)
plt.xlim(-180.0, 720.0)
plt.xticks(np.arange(-180, 810, 90))
plt.ylim(-1.2, 1.2)
plt.grid(lw=2)
plt.plot(x, cos(x), c='b')
plt.plot([-180, 720], [0, 0], color='black')
plt.plot([0, 0], [-1.5, 1.5], color='black')
plt.show()
```



```
In [ ]:
```