User Guide

Our feature allows the user to choose the horizontal alignment for the labels on the y-axis with a simple function call. The labels can be aligned to the right(default), left, or center. The function sets the "*_ticklabel_horizontal_alignment"* property of the axis object to the given parameter.

Function:

matplotlib.axis.set_ticklabel_horizontal_alignment(*self, align)*

Description:

Aligns the tick labels on the axis to the specified direction

Parameters:

- *align*: {'center', 'left', 'right'}, str
    - The direction to align the labels. By default, labels are aligned to the right.
    - The value of align must be one of these three values, otherwise a *ValueError* is thrown

Example Usage:

Left aligned labels:

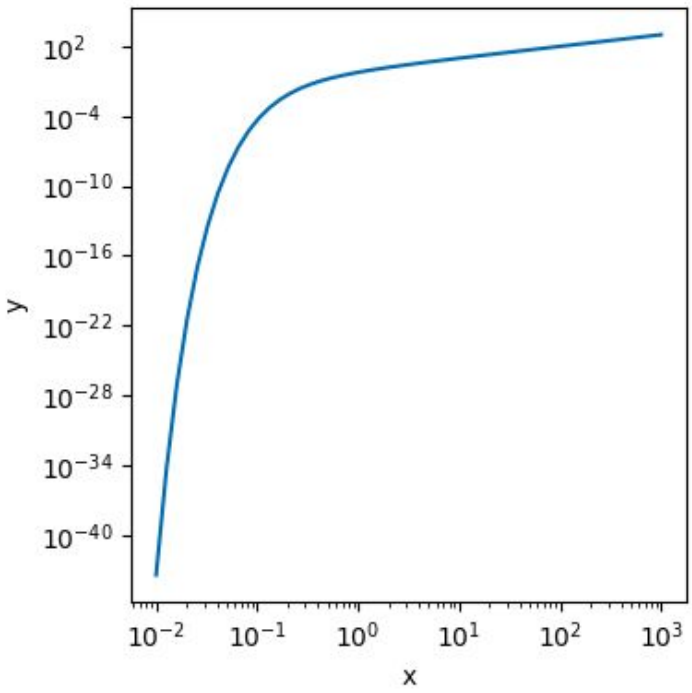
This example shows how to produce a figure with the labels on the y-axis aligned to the left

```
import matplotlib.pyplot as plt
import numpy as np

# Arbitrary data
x = np.logspace(-2,3)
y = 1 / (np.exp(1/x) - 1)
plt.loglog(x,y)
plt.xlabel('x')
plt.ylabel('y')

# Align labels to left
ax = plt.gca()
ax.yaxis.set_ticklabel_horizontal_alignment('left')
```

This example produces the following figure:



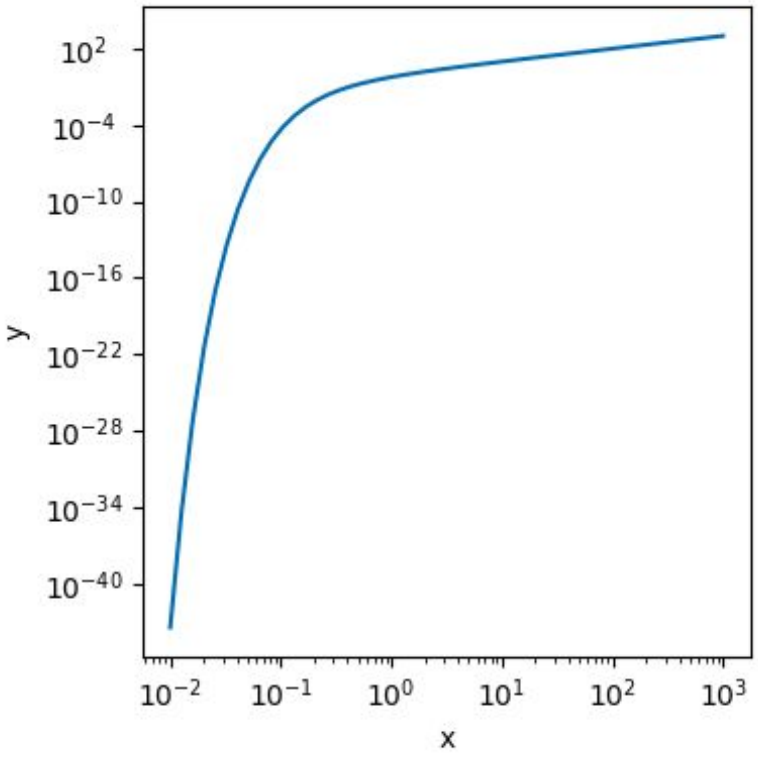
Note: all y tick labels are aligned to the left (i.e. more padding on the right of the y tick labels)

Center aligned labels:

Using the same data as above, we can also align the labels to the center

```
# Align labels in the center
ax = plt.gca()
ax.yaxis.set_ticklabel_horizontal_alignment('center')
```

This example produces the following figure:



Note: all the y tick labels are aligned to the middle (i.e. equal padding on the left and right of the tick labels)