

Issue #16389:

“Size” ignored if placed before fontproperties

Description:

When using functions that add text annotation to a plot, the “size” property of the text gets ignored if placed sequentially before a “fontproperties” property. Additionally, the “fontsize” property displays similar inconsistencies, where it gets ignored if placed before “fontproperties”. This bug is present in even the most basic annotation methods, such as `pyplot.title`, `pyplot.xlabel`, and `pyplot.ylabel`.

Reproduction:

1. Install matplotlib packages
 - a. `python -m pip install -U pip`
 - b. `python -m pip install -U matplotlib`
2. Download the “Issue_16389.py” file
3. Run the file
 - a. It is intended that the x and y labels (“xLabel” and “yLabel” respectively) both render with font size 18, as written in code (Fig. 2)
 - b. However, in the output, the font size of the two labels remain unchanged (Fig. 1)

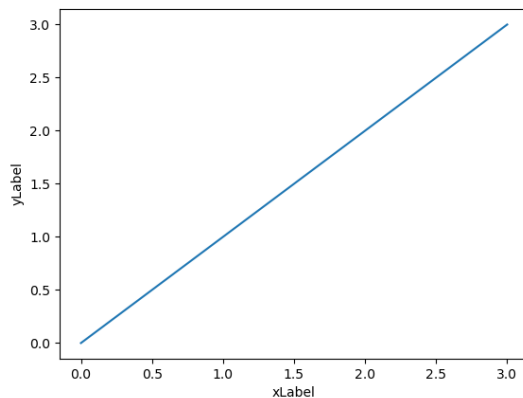


Fig. 1: Buggy x & y labels

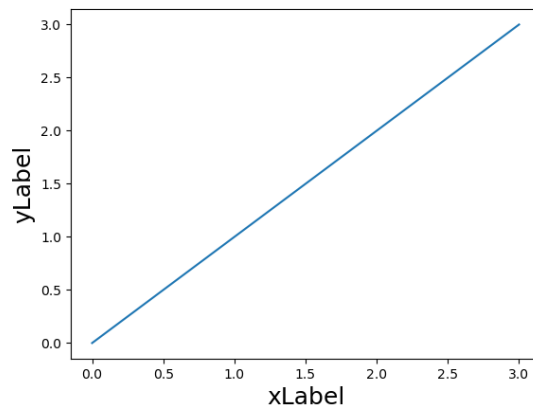


Fig. 2: Expected output