

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 Steps:

1. If you haven’t already, follow the instructions in the Deliverable 2 README
2. `cd` to directory `dir`
3. Checkout and build branch master by running
 - a. `cd matplotlib`
 - b. `git checkout master`
 - c. `python setup.py build`
 - d. `cd ..`
4. Download file ‘Issue_16389.py’ to ‘dir’
5. Run file ‘Issue_16389.py’
 - a. `python Issue_16389.py`
 - 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)
 - However, in the output, the font size of the two labels remain unchanged (Fig. 1)

Results:

Buggy:

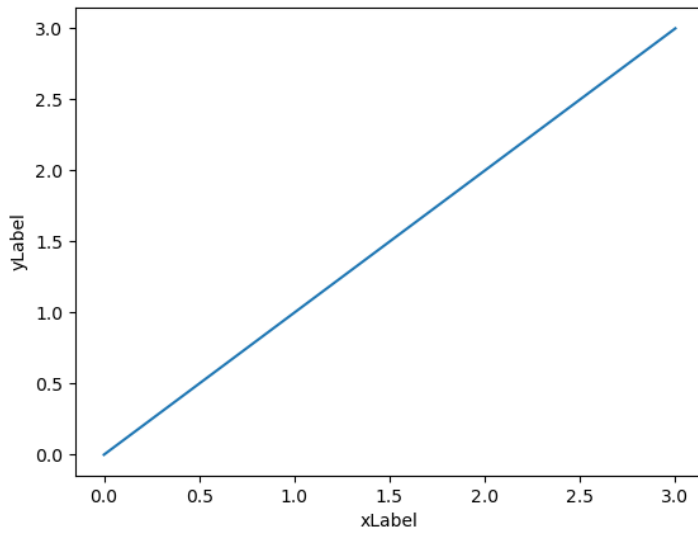


Fig. 1: Buggy x & y label sizes.

Expected:

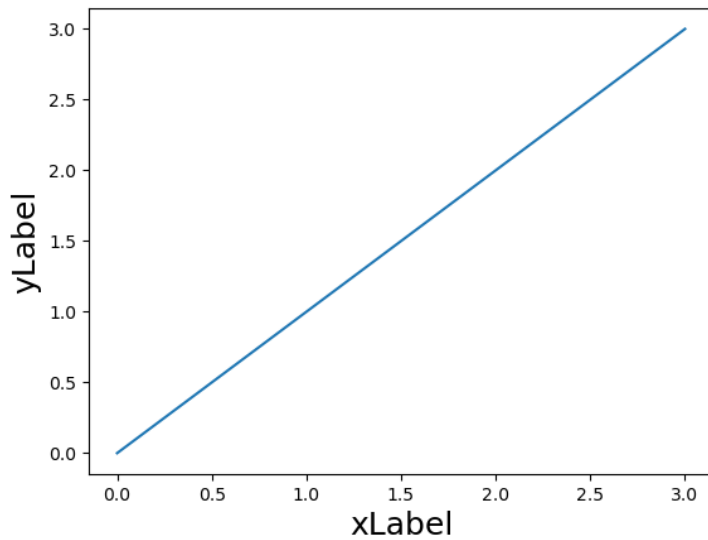


Fig. 2: The labels are correctly sized.