16/07/2025, 06:17 Latex in Python

olotly | Graphing Libraries (https://plotly.com/)(/graphing-libraries/)

cutm_campaign=studio_cloud_launch&utm_content=sidebar)



Python (/python) > (/python/) > LaTeX

• Suggest an edit to this page(https://github.com/plotly/plotly.py/edit/doc-prod/doc/python/LaTeX.md)

LaTeX in Python

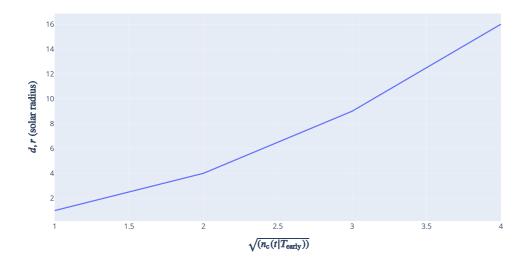
How to add LaTeX to python graphs.

Plotly Studio: Transform any dataset into an interactive data application in minutes with Al. Sign up for early access now. (https://plotly.com/studio/?utm_medium=graphing_libraries&utm_campaign=studio_early_access&utm_content=sidebar)

LaTeX Typesetting

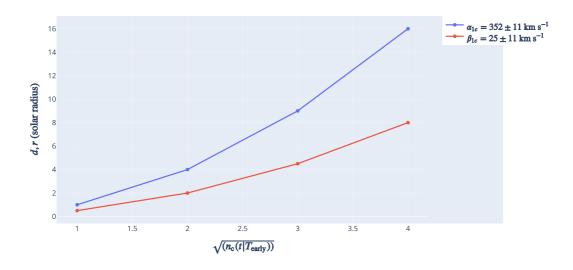
Figure titles, axis labels and annotations all accept LaTeX directives for rendering mathematical formulas and notation, when the entire label is surrounded by dollar signs \$...\$. This rendering is handled by the MathJax library (https://www.npmjs.com/package/mathjax?activeTab=versions), which must be loaded in the environment where figures are being rendered. MathJax is included by default in Jupyter-like environments. When embedding Plotly figures in other contexts it may be required to ensure that MathJax is separately loaded, for example via a <script> tag pointing to a content-delivery network (CDN). Versions 2 and 3 are supported.

```
\alpha_{1c} = 352 \pm 11 \text{ km s}^{-1}
```





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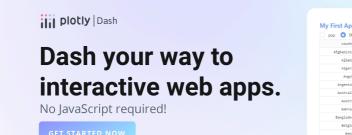


What About Dash?

<u>Dash (https://dash.plot.ly/)</u> is an open-source framework for building analytical applications, with no Javascript required, and it is tightly integrated with the Plotly graphing library.

Learn about how to install Dash at https://dash.plot.ly/installation).

Everywhere in this page that you see fig.show(), you can display the same figure in a Dash application by passing it to the figure argument of the <u>Graph components</u> (https://dash.plot.ly/dash-core-components/graph) from the built-in dash_core_components package like this:





 $(https://dash.plotly.com/tutorial?utm_medium=graphing_libraries\&utm_content=python_footer)\\$

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