# Rigid Body Dynamics

*Subtitle*
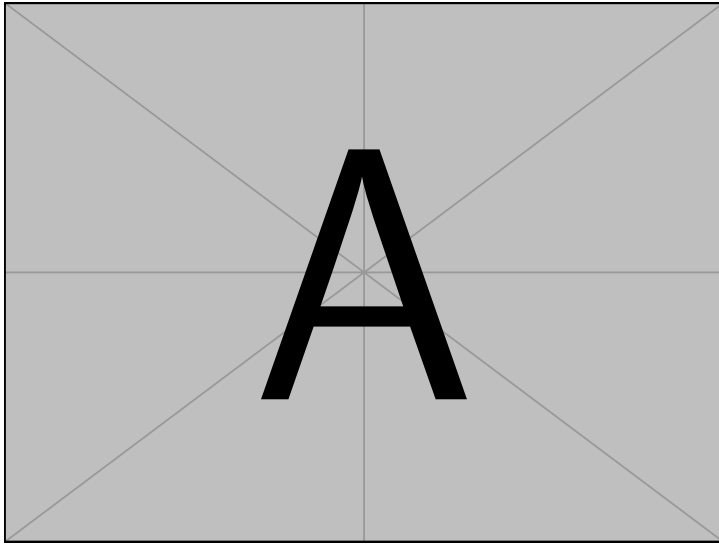


## gitMechanics

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## 1   Motivation

Many great tools exist to author technical documents including writing directly in LaTeX. However, writing in a lower level typesetting syntax reduces the portability of authored documents. Jupyter and specifically JupyterLab is a great, extensible environment for authoring Jupyter Notebooks and other document types that integrates a subset of LaTeX, Markdown and hundreds of programming languages.

## 2   Integrating Python & Code

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

## 3   Gotchas

No solution is perfect. The tradeoff to using a higher level typsetting syntax is less flexibility and access to lower level macros. The LaTeXcommunity is also very well established with best practices, tutorials, and guidelines on how to do very common things (such as citations).