Simulating Neutron Stars

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Chapter 1
Introduction

In this chapter, we will introduce the purpose of the project and the motivation for its existence.

1.1 Test section

The fundamental theorem of calculus is

$$\int_a^b f'(x)\,dx = f(b) - f(a). \tag{1.1}$$

Here is some test code:

```
def f(x,y):
    return np.sqrt(x**2 + y**2)
```