Learn You a Physics for Great Good!

>>> WORK IN PROGRESS <<<

1. Introduction

- About this book
- So what's a DSL?
- Getting started

2. Calculus

- Introduction
- Function expressions
- Differential calculus
- Integral calculus
- Plotting graphs
- Syntax trees

3. Linear algebra

Vectors

4. Dimensions

- o Introduction
- Value-level dimensions
- Testing of value-level dimensions
- <u>Type-level dimensions</u>
- Quantities
- Testing of Quantities
- Usage

5. Newtonian Mechanics

O Single particle mechanics

6. Examples

- Teeter
- O Box on an incline

© Björn Werner, Erik Sjöström, Johan Johansson, Oskar Lundström (2018), GPL