Abstract

A short intro about this document.

Contents

1 Introduction

In 3 we're gonna discuss …
Apparently 'quotes' are "weird"
This is a bulleted list:

- Fluids

- Electricity

- Thermodynamics

And here's a numbered list:

1. print the pdf

2. take it with you everywhere you go

2   Includes

Hello world!

3   Maths & Equations

You can do inline equations, for example: $f(x) = A\frac{dy}{dx} + Bx$.

You can also have a maths block/section/environment.

$$\sum_{i=0}^{\infty} x^i - x^{i-1}$$

3.1   Typesetting maths

Here's an aligned equation:

$$
\begin{aligned}
(x+1)^2(x-4) &= (x^2 + 2x + 1)(x - 4) \\
&= x^3 + 2x^2 + x - 4x^2 - 8x - 4 \\
&= x^3 - 2x^2 - 7x - 4
\end{aligned}
$$

Does 3 columns work?

$$
\begin{aligned}
62 \div 8 &= 7 && \text{rem } 6 \\
7 \div 8 &= 0 && \text{rem } 7
\end{aligned}
$$