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## Introduction

This document will be our starting point for simple documents. It is suitable for a single page or up to a couple of dozen pages.

The text will be divided into sections.

## 1 The first section

This first text will contain

- a table of contents,
- a bulleted list,
- headings and some text and math in section,
- referencing such as to section 2 and equation (1).

We can use this document as a template for filling in our own content.

## 2 Some maths

When we write a scientific or technical document, we usually include math formulas. To get a brief glimpse of the look of maths, we will look at an integral approximation of a function f(x) as a sum with weights  $w_i$ :

$$\int_{a}^{b} f(x) dx \approx (b - a) \sum_{i=0}^{n} w_{i} f(x_{i})$$
(1)