

Sp^eLaTeX Example

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Chapter 1

Introduction

▸ This file is just a simple showcase of the features of $\text{S}_{\mathcal{P}}\text{eL}^{\text{A}}\text{T}_{\text{E}}\text{X}$. Below, you'll find examples of:

- a simple equation
- a more complex equation

Chapter 2

Examples

2.1 A simple equation ▷

- ▷ Consider the following simple definition of a polynomial function and check its spoken version by clicking on it.

$$f(x) = x^5 - x^4 + 7x^3 + 3x^2 - 8x + 25 \quad (2.1)$$

- ▷ This seems a simple equation, however, it is not so straightforward for an automated reader, to read it correctly.

2.2 A more complex equation ▷

- ▷ For a lightray that hits the parabola at the point $P(t, 9 - \frac{t^2}{4})$, the reflected ray has slope $\tan 2\alpha$. Since the slope of the tangent to the parabola at P is equal to $\tan \alpha = -\frac{t}{2}$, the equation of the reflected ray is given by

$$y - 9 + \frac{t^2}{4} = -\frac{4t}{4 - t^2} \cdot (x - t)$$

2.3 Remark ▷

- ▷ Instead of the `\<<<` macro, one can also use the spelchunk environment. We did this in the next sections.

Chapter 3

More advanced topics

3.1 Een andere taal ▷

- ▷ `SpeLaTeX` is ook volledig babel-actief, wat wil zeggen dat de voorleesstem de geselecteerde taal zal volgen.

$$y - 9 + \frac{t^2}{4} = -\frac{4t}{4 - t^2} \cdot (x - t)$$

3.2 And some extras ▷

3.2.1 Citations ▷

- ▷ Two excellent repositories are CPAN [2] and CTAN [1].

3.2.2 References to labels ▷

- ▷ Section 2.1 contains an illustration of a simple equation. For a more complex equation, we refer the user to section 2.2.

Bibliografie

- [1] The Comprehensive TeX Archive Network. <http://www.ctan.org>. online, accessed in August 2021.
- [2] The Comprehensive Perl Archive Network. <http://www.cpan.org>. online, accessed in August 2021.