S$_p$eLATEX Example

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1 Introduction ▷

▷ This file is just a simple showcase of the features of S$_p$eLATEX. Below, you'll find examples of:

- ▷ a simple equation

- ▷ a more complex equation

2 A simple equation ▷

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

$$f(x) = x^5 - x^4 + 7x^3 + 3x^2 - 8x + 25 \tag{1}$$

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

3 Remark ▷

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

4 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

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

5 Een andere taal ▷

▷ SpeL^{A}T$_E$X is ook volledig babel-actief, wat wil zeggen dat de voorleesstem de geselecteerde taal zal volgen.

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

6 And some extras ▷

6.1 Citations ▷

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

6.2 References to labels ▷

▷ Section 2 contains an illustration of a simple equation. For a more complex equation, we refer the user to section 4.

Referenties

[1] The Comprehensive T$_E$X 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.