SpeLaTeX Example

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1 Introduction

This file is just a simple showcase of the features of SpeLaTeX. 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.

$$f(x) = x^5 - x^4 + 7x^3 + 3x^2 - 8x + 23 \tag{1}$$

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

3 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

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

4 Een andere taal

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

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

5 And some extras

5.1 Citations

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

5.2 References to labels

Section 2 contains an illustration of a simple equation. For a more complex equation, we refer the user to section 3.

References

[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.