Equation Examples

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In this document we will look at how we can use ETeX to generate different types of equations.

1 Simple Equations

We can write numbered equations:

$$\frac{1 + \operatorname{cosec}\theta}{\cot\theta} = \frac{1 + \tan\frac{\theta}{2}}{1 - \tan\frac{\theta}{2}} \tag{1}$$

2 Equations Without Numbers

$$\int_0^n \frac{1}{\sqrt{1 + x^2}}\,\mathrm{d}x = \pi$$