

# Equation Examples

RosiePuddles

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:

$$\frac{1 + \operatorname{cosec}\theta}{\cot\theta} = \frac{1 + \tan\frac{\theta}{2}}{1 - \tan\frac{\theta}{2}} \quad (1)$$

## 2 Equations Without Numbers

$$\int_0^n \frac{1}{\sqrt{1+x^2}} dx = \pi$$