

# Rachel's essay "Easy as $\pi$ "

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## Abstract

Following my ancestor Archimedestein sandalsteps, this treatise will use these sets:  $\mathbb{R}, \dot{\mathbb{R}}, \bar{\mathbb{R}}, \mathring{\mathbb{R}}, [-\infty, +\infty]$  as well as  $\mathbb{Q}, \mathbb{D}, \mathbb{Z}, \mathbb{N}$ , the complexes  $\mathbb{C}$ , and "half infinite" sets  $\mathbb{Z}_+, \mathbb{Q}_+, \mathbb{R}_+$ . The **Ruler function**,  $\mathcal{R}_{\mathbb{D}}$ , will play an important role.

**Prolegomenon** In this exemplar of clarity and flawless-reasoning,<sup>1</sup> we will study the set  $\text{IRI}(\mathbb{R} \rightarrow \mathbb{R})$  of improper<sup>2</sup> Riemann-integrable functions, as well as how to view students as devices that input Dove chocolates and output Mathematics ...

## 1 Setting the Stage

We set out the tools we will use in the next seventeen and three-quarters sections. ...

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<sup>1</sup>But not, alas, of modesty.

<sup>2</sup>Here, "improper" does not refer to speaking rudely, but rather to integrals of functions with either infinite domain, or infinite range.

## 2 Introducing the Actors

Here are the theorems we will employ in the 172 subsections to follow. ...

### 2.1 Creating the Mood

A discussion of the historical events surrounding these discoveries is in order.

## 3 Getting Work to Work

Having procrastitimewastingly enough, we endeavor to commence an outline of schedule-making of temporal opportunities to plan work-initiation rituals. ...