My Sample LaTeX Document

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I typed this file with a plain text editor. The source file is a mix of normal text and typesetting commands.

The area of a circle is πr^2; again, that is πr^2. My score on the last exam[1] was 95 ± 5.

1 Formulas, inline vs. displayed

I insert an inline formula by surrounding it with a pair of single $ symbols; what is $x = 3 \times 5$? For a *displayed* formula, use double-$ before and after.

$$\mu^{\alpha+3} + (\alpha^{\beta} + \theta_{\gamma} + \delta + \zeta)$$

1.1 Numbered formulae

Use the *equation* environment to get numbered formulae, e.g.,

$$y_{i+1} = x_i^{2n} - \sqrt{5}x_{i-1}^n + \sqrt{x_{i-2}^7} - 1 \tag{1}$$

$$\frac{\partial u}{\partial t} + \nabla^4 u + \nabla^2 u + \frac{1}{2}|\nabla u|^2 \;=\; c^2 \tag{2}$$

2 Acknowledgments

Thanks to my buddies Æschyulus and Chloë, who helped me define the macro `\piRsquare` which is πr^2. The end.

[1] May 23