The Beginning of Awesomeness

Lalit

UW-Madison

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Outline

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Introduction

LaTeXis a document creation tool that will rock your world!!!

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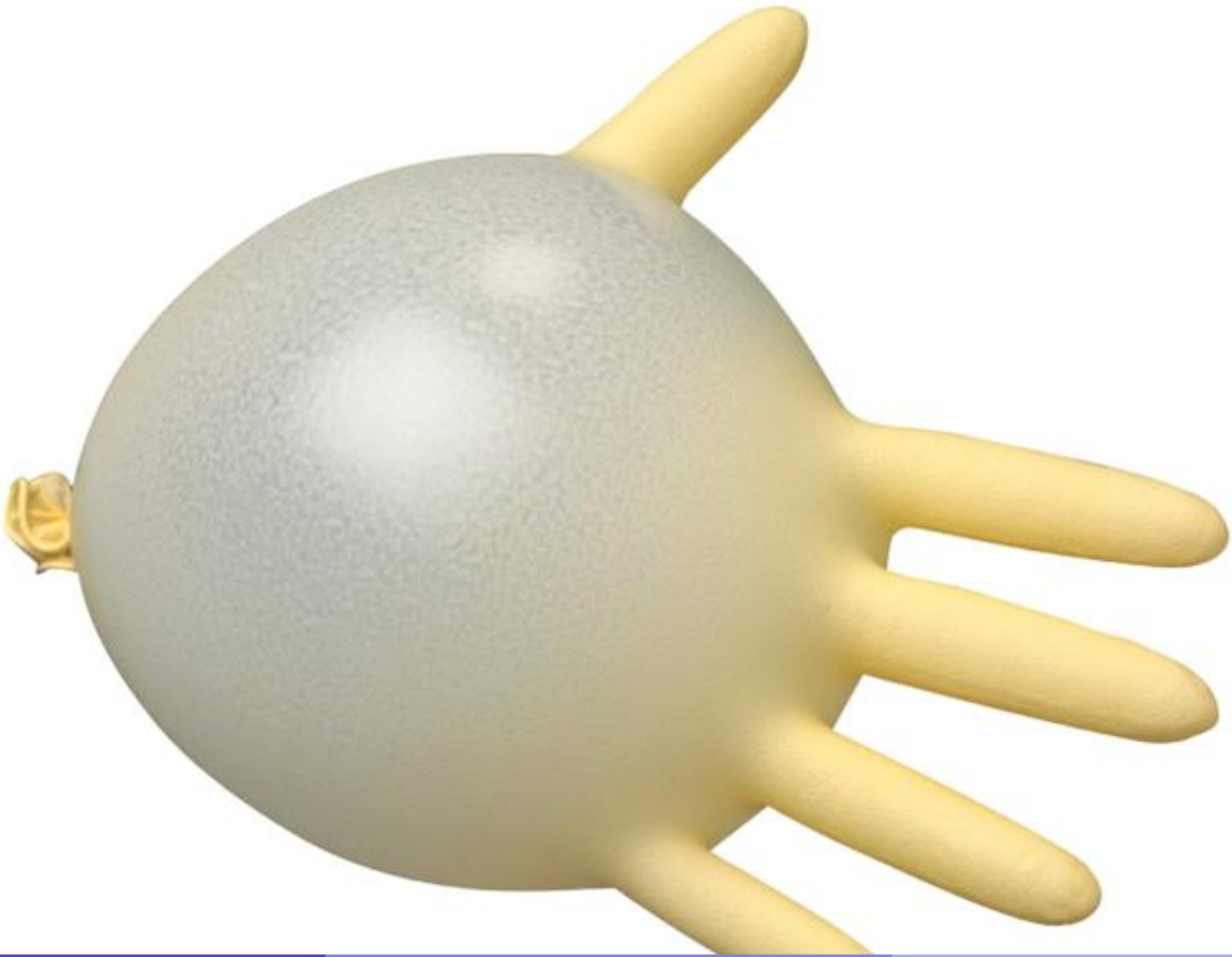
Terminology

Note: Pronounced "Latec" not "Latex."



Components

There are three different things to keep separate in your head:

- LaTeX
- Beamer
- The editor you use.

You could always prepare LaTeXin a text file and run latex on it.

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You can put math *inline*, like this: $x^2 = 4 \rightarrow x = \pm 2$.
Or like this:

$$\int_0^1 x^2 dx = \frac{1}{3}$$

Or you can show somebody the steps of a computation:

$$\begin{aligned} \int_0^1 x^2 dx &= \frac{x^3}{3}\Big|_0^1 \\ &= \frac{1}{3} \end{aligned}$$

LaTeXresources:

- AOPS Guide
- Latex Symbols

Beamer Resources:

- Lots of Examples
- Also Down to Earth
- I liked this one too.
- Technical Overview
- The Official User Guide

Your Task for the day:

- Create a short presentation on Groups.
- State the definition, and one theorem.
- Have 5-10 slides.
- Use inline and non-inline math.
- Use an align somewhere.
- Use overlays.
- Make Beamer look good. Use a different theme:http://www.math.umbc.edu/ rouben/beamer/
- Bonus: Include a sweet picture.