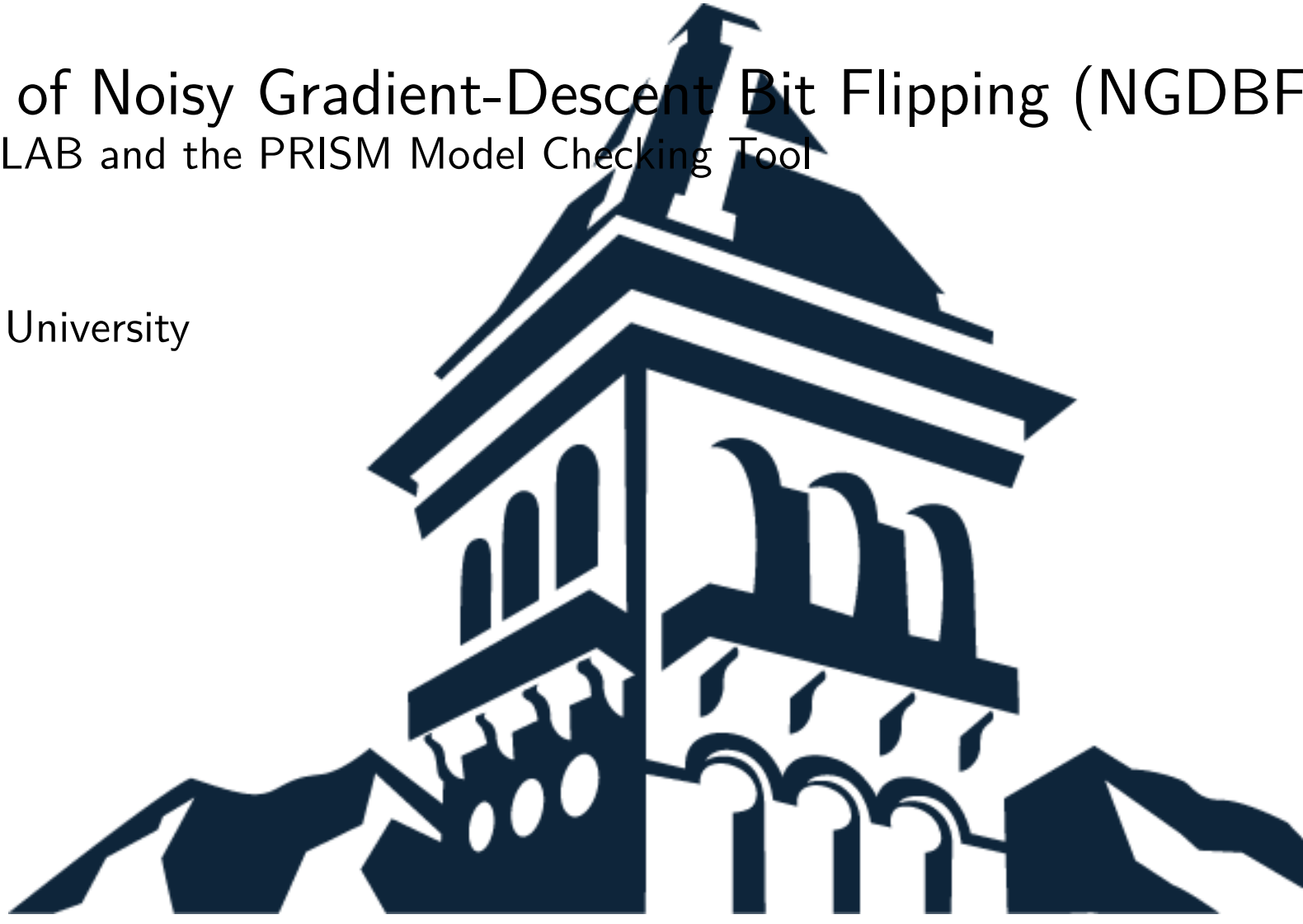
Analysis of Noisy Gradient-Descent Bit Flipping (NGDBF

Using MATLAB and the PRISM Model Checking Tool

Eric Reiss
Utah State University



LDPC Codes and Trapping Sets

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  - GDBF gets "stuck" in local minima while decoding
- NGDBF introduces psuedo-random noise to escape local minima

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  - Produce matching PDF output based on LaTeX/Beamer

Procedure

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3. Edit the included `Makefile` to specify the presentation name and other details.
4. Build the presentation by running `make`

Including Figures

To include a figure using Markdown, use this syntax:

```
![Optional figure caption.](figures/example.png){width=60%}
```

Result:

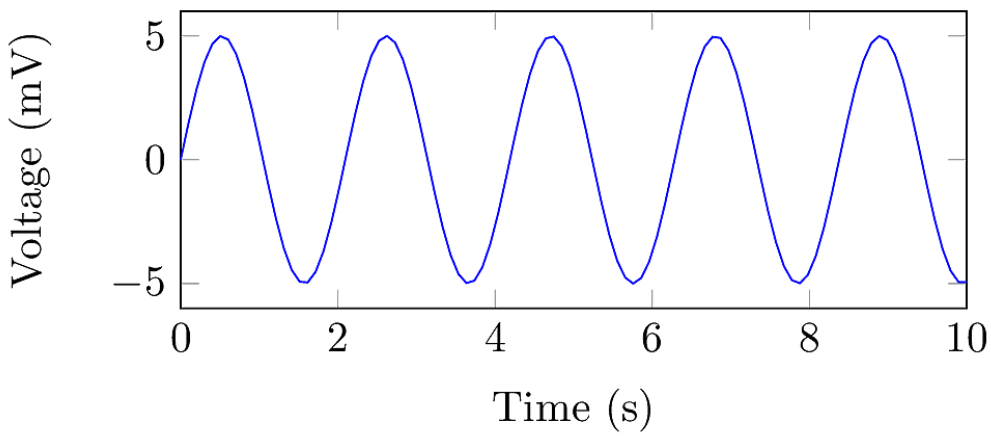


Figure 1: Optional figure caption.

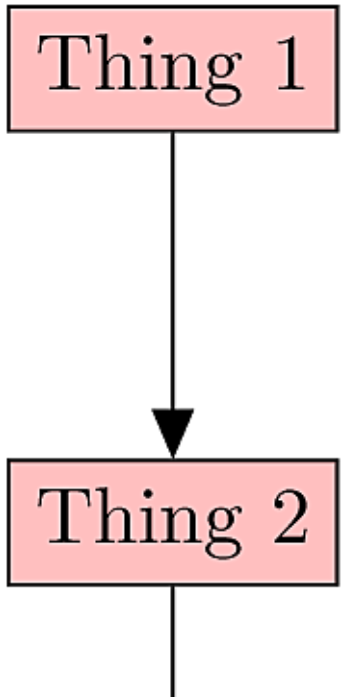
Two-Column Slides

Starting two-column mode:

Here is a column.

- Text.

And another column.



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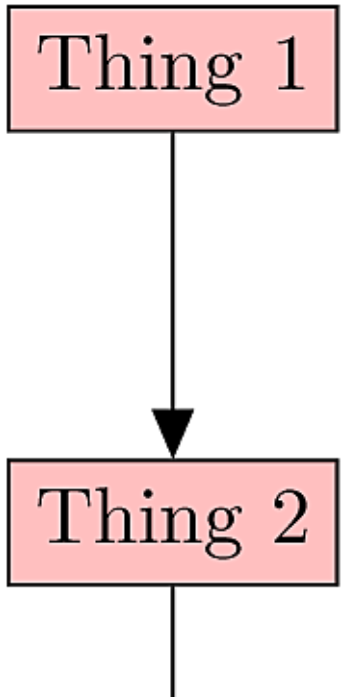

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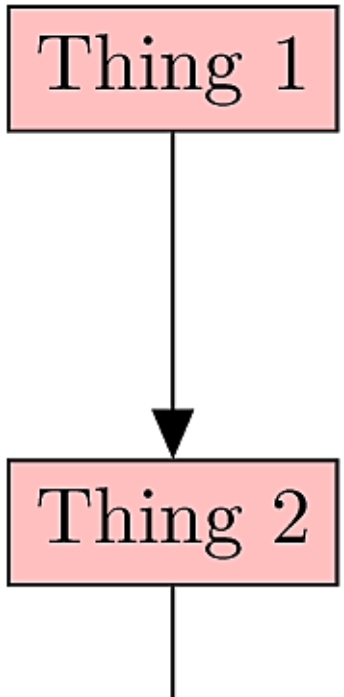

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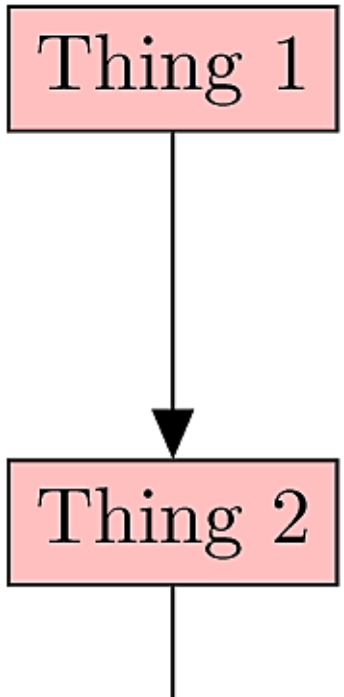

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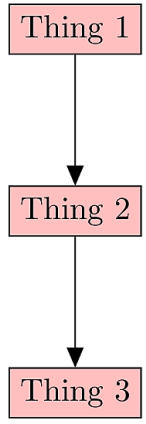

Figure 3: A tall figure.

Columns are now over.

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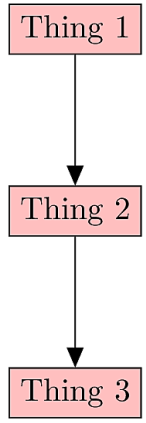

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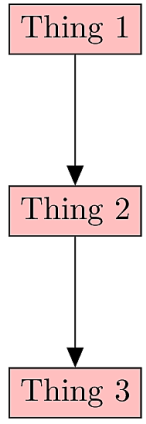

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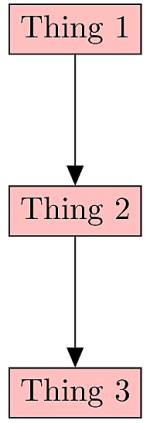

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