

Beamer Template

A Demo

Joe Doe

Johns Hopkins University

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- Math
- Useful Environment
- References

Wo do math in beamer. Here are some examples:

▶ Inline math: $a^2 + b^2 = c^2$.

▶ Display math:

$$\int_{-\infty}^{\infty} e^{-x^2} dx = \sqrt{\pi}. \quad (1)$$

▶ Align environment:

$$a = b + c \quad (2)$$

$$= d + e. \quad (3)$$

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This is a demonstration of various environments. The first is `itemize`:

- ▶ Item 1
- ▶ Item 2
- ▶ etc.

Usually I'll use `enumerate` as well:

1. Item 1
2. Item 2
3. etc.

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All the common environments are available, e.g.,

- ▶ *Theorem*-related: lemma, theorem, corollary.
- ▶ *Common* environments: definition, example, problem.
- ▶ *Others*: prev, observe, assumption, remark, intuition.

I'll just show you two examples:

Example (A demonstration)

This is an `example` environment.

As previously seen

This is a `prev` environment.

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We can cite papers using biblatex.

- ▶ This is a citation [SD25].
- ▶ This is another citation [JM24; Lee23].
- ▶ This is a link <https://www.google.com>.

- [JM24] Alex Johnson and Susan Martin. “Innovative Approaches in Randomized Algorithms”. In: *Proceedings of the 30th International Conference on Randomness*. International Randomness Conference. 2024, pp. 15–23.
- [Lee23] David Lee. *Computational Perspectives on Randomness*. New York: Academic Press, 2023.
- [SD25] John Smith and Jane Doe. “An Example of Random BibTeX Entry Generation”. In: *Journal of Random Studies* 42.3 (2025), pp. 123–145.