

Presentate: Dynamic Features

A systematic test of animation tools

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Introduction

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- Precise visibility (uncover, only)
- Relative indices and timeline synchronization
- Content transformations (alert, transform)
- Advanced package integration (render)

Basic Flow Control

Using #pause

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$$(a + b)^2 = a^2 + 2ab + b^2$$

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Fragment A: Individual content...Fragment B: ...revealed one by one...Fragment C: ... without multiple pause calls.

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- Outer Item 1

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 - Nested A

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- Outer Item 1
 - Nested A
 - Nested B

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- Outer Item 2
- Outer Item 3

Precise Visibility

#uncover vs #only

These functions allow you to show content on specific subslides.

uncover

- Preserves space when hidden.
- Uses `hide()` by default.

only

- Discards space when hidden.
- Content is completely removed.

#uncover vs #only

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Relative Indices

Relative Indices: auto, none, rel

Instead of hardcoding subslide numbers, use relative indices.

- Current pause state: Content A
- : Shown **after** the current pause (next step).
- : Shown **at** the same time as the current pause.
- : Shown 2 steps after the current pause.

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Instead of hardcoding subslide numbers, use relative indices.

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- : Shown **after** the current pause (next step).
- : Shown **at** the same time as the current pause.
- (rel: 2): Shown 2 steps after the current pause.

Timeline Synchronization

Use update-pause: true to make subsequent pauses “aware” of the subslides added by uncover or only.

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2. Hidden Step
3. This step waits for the surprise because of update-pause.

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1. Regular Step
2. Hidden Step SURPRISE!
3. This step waits for the surprise because of update-pause.

Content Transformations

Alerts and Emphasis

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- Item 2 (Alerted!)

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- Item 1
- *Item 2 (Alerted!)*
- Item 3

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Complex Transformations

#transform allows a sequence of functions to be applied to content across subslides.

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Advanced Integration

The `#render` Workspace

`#render` is the most powerful tool for integrating other packages (CeTZ, Fletcher). It lets you manually update the subslide state `s`.

Subslide 1: Cooling Down

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Subslide 2: Heating Up!

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Subslide 3: BOILING POINT!

Conclusion

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Happy Presenting!