`spBeamer` **Document**

Sweet Pastry

Fudan University, Shanghai, China

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Summary

1. How to use it

   - Preamble and Info Command

   - The options

2. Some example

   - Math

- `tikz`

- `tikz-cd`

- `circuitikz`

- chem

3. Thanks to, I learn a lot from them!

How to use it

Subsection 1

Preamble and Info Command

Preamble

In the preamble, please provide the following details to complete your Beamer presentation setup:

```
\documentclass[
    style = 2, % default o
    bibstyle = apa, % if you need apa
    lang = cn, % if you write in Chinese
]{spBeamer}

\spAuthor{Your name}
\spAuthorInShort{Your name in short}
\spTitle{This Beamer's title}
\spSubtitle{This Beamer's subtitle if you need}
\spAffiliation{Your affiliation}
\spAffiliationInShort{Your affiliation in short if you need}
\spDate{default `\today`}
```

Some clarifications

Q: What is the difference between \spAuthor and \spAuthorInShort? Similarly, what distinguishes \spAffiliation from \spAffiliationInShort?

A: "InShort" will be used in footline.

Subsection 2

The options

Options

The value in the right of $=$ is default value.

```
lang = en % english mode default
style = 0 % DarkRed style default
bibstyle = ieee & gb7714-2015 % when en and cn
ref = ref % if your .bib file has other name, change it
colorlinks = true
nocite = true
```

Some example

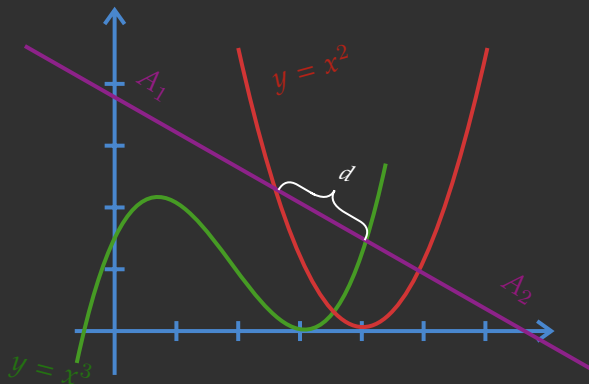Almost every feature in `spArticle` is also supported in `spBeamer`.

Subsection 1

Math

math

$$\langle x_f, t_f \,|\, x_i, t_i \rangle \;=\; \int \mathcal{D}[x(t)] \, \exp\!\left(\tfrac{i}{\hbar} S[x(t)]\right), \qquad (1)$$

$$\gamma_{\mathrm{Berry}} = i \int_C \langle \psi(\lambda) \,|\, \boldsymbol{\nabla}_\lambda \, \psi(\lambda) \rangle \cdot \mathrm{d}\lambda, \qquad (2)$$

Subsection 2

tikz

normal tikz

Subsection 3

tikz-cd

tikz-cd

$$
\begin{array}{ccc}
 & \pi_1(U_1) & \\
{\scriptstyle i_1}\nearrow & & \searrow \\
\pi_1(U_1 \cap U_2) & & \pi_1(U_1) *_{\pi_1(U_1 \cap U_2)} \pi_1(U_2) \xrightarrow{\;\simeq\;} \pi_1(X) \\
{\scriptstyle i_2}\searrow & & \nearrow \\
 & \pi_1(U_2) &
\end{array}
$$

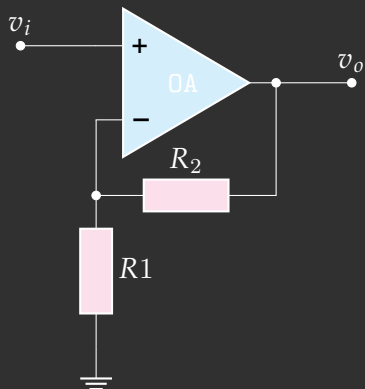with arrows j_1 from $\pi_1(U_1)$ to $\pi_1(X)$ and j_2 from $\pi_1(U_2)$ to $\pi_1(X)$.
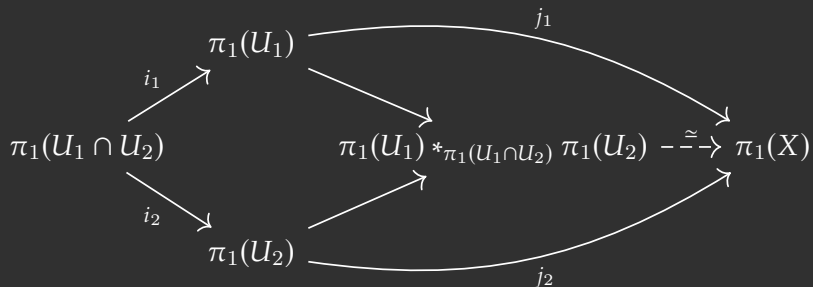
Subsection 4

circuitikz

circuitikz

Subsection 5

chem

mhchem and chemfig

$$\text{Zn}^{2+} \underset{+2\,\text{H}^+}{\overset{+2\,\text{OH}^-}{\rightleftarrows}} \underset{\text{amphoteres Hydroxid}}{\text{Zn(OH)}_2 \downarrow} \underset{+2\,\text{H}^+}{\overset{+2\,\text{OH}^-}{\rightleftarrows}} \underset{\text{Hydroxozikat}}{[\text{Zn(OH)}_4]^{2-}}$$

$$x\,\text{Na(NH}_4)\text{HPO}_4 \xrightarrow{\Delta} (\text{NaPO}_3)_x + x\,\text{NH}_3 \uparrow + x\,\text{H}_2\text{O}$$

$$\text{Hg}^{2+} \xrightarrow{\text{I}^-} \text{HgI}_2 \xrightarrow{\text{I}^-} \text{Hg}^{\text{II}}\text{I}_4{}^{2-} \tag{3}$$
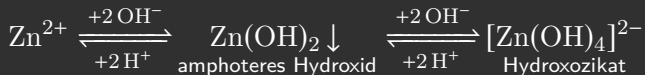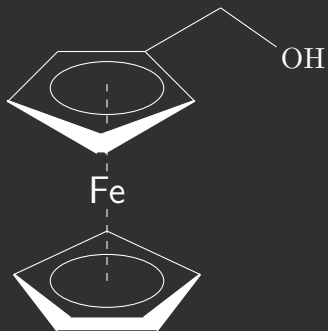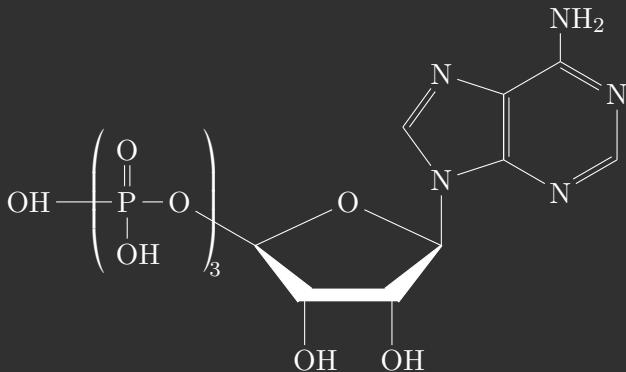
Thanks to, I learn a lot from them!

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References

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The End