

Upgrade your slides

with Rule of Three & L^AT_EX

National Institute for Materials Science S. Todoroki

Slide 1

Background The hurdle to apply Rule of Three

- Have to type same strings many times
- Pros & Cons

Slide 3

Background Rule of Three

- List just **3 items** to make them impressive.
- Say your message **3 times**, to make it impressive.
- **Apply this rule to your whole slides,** to make them impressive.

Slide 2

Background History of presentation program

Timeline: '95 seminar.cls, v1.0, v1.4, My starting milestone; '00 prosper.cls, v1.0h, v1.6; '05 powerdot.cls

PowerPoint since '87

KeyNote for Mac

PC-shift completed in Jpn. Soc. Appl. Phys.

Slide 4

OVERVIEW

Upgrade slides w/ Rule of Three!

Codes

What are the necessary commands?

Compile

How do I reduce preparation work?

Benefits

What have I gained after putting this into practice?

Slide 5

Codes
Definition of strings for reuse

Overview	Upgrade slides w/ Rule of Three!	↓ Codes
Codes	<pre>% Macro definition \def\TitleA{Codes} \def\TitleB{Compile} \def\TitleC{Benefits} % Macro call \textcolor{blue}{\fbox{\TitleA}} \textcolor{green}{\fbox{\TitleB}} \textcolor{red}{\fbox{\TitleC}}</pre>	
<i>What are the</i>		
Compile		
<i>How do I</i>		
Benefits	↑ Slide 5	
<i>What have I</i>		

Slide 7

Codes
Rule of Three: Example

Overview	Upgrade slides w/ Rule of Three!	↓ Slide 19
Codes	Conclusion Upgrade slides w/ Rule of Three!	<pre>Codes Definition of strings, designation of ... Compile Auto-generated templates & Makefile ... Benefits Perspective preparation & handout ...</pre>
<i>What are the</i>	Codes	
Compile	Compile	
<i>How do I</i>	Benefits	
Benefits	<i>What have I</i>	↑ Slide 5
<i>What have I</i>	Benefits	

⇒ Collective management of frequently-used phrases

Slide 6

Codes
Designation of overlays

Overview	Upgrade slides w/ Rule of Three!	↓ Codes
Codes	<pre>% prosper.cls (details are omitted) \overlays{3}{ \begin{slide}{} ... \fbox{\TitleA}... \fromslide{2}{\fbox{\TitleB}...} \fromslide{3}{\fbox{\TitleC}...} \end{slide} }</pre>	
<i>What are the</i>		
Compile		
<i>How do I</i>		
Benefits	↑ Slide 5	
<i>What have I</i>		

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Codes

Headers & Titles

Background
Rule of Three
↓ Codes

```

% keep the arg. empty in slide env. of prosper
\begin{slide}{}
\Pagetop{red}{Background}{Rule of Three}
\end{slide}
% because want to use article opt. of seminar
\newcommand{\Pagetop}[3]{%
  \textcolor{#1}{\Myframe{#2}}\llap{#3}}
\newcommand{\Myframe}[1]{...#1...}

```

↑ Slide 2

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Compile

Process of preparation

```

$ mkdir texconf
$ cd texconf
$ texinit --ppr      # generate template & Makefile
$ make edit         # edit template (seminar class)
$ make               # PDF for slides (prosper class)
$ make sem8view     # PDF for handout via psnup
$

```

- **make** calls a self-made script to change the document class from **seminar** to **prosper**

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OVERVIEW

Upgrade slides w/ Rule of Three!

Codes

Definition of strings, designation of colors & overlays

Compile

How do I reduce preparation work?

Benefits

What have I gained after putting this into practice?

Slide 10

Compile

Generation of a template & Makefile

```

$ head -1 `which texinit`
#!/usr/bin/ruby
$ texinit --help
usage: texinit [ --ppr [ --double ] ] [ --jp ]
$

```

- Ternary form: Simple or **Complex** (3×3, see Ref.[2])
- in English or **Japanese**
- Makefile *that* calls latexmk & self-made scripts

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Compile Conversion from seminar to prosper

- The file to edit: `texconf.tex`

```
\documentclass[article,dvips]{seminar}
\usepackage{SEMtdrk} % cancel prosper macros
\begin{slide}
```
- Converted file: `texconf+ppr.tex`

```
\documentclass[pdf,slideColor,tdrk]{prosper}
%\usepackage{SEMtdrk}
\begin{slide}{}% empty slide-title argument
```
- If needed, define `\newif\ifProsper` and use `\ifProsper\else\fi`

Slide 13

Compile Canceling prosper macros

```
% for overlay functions
\newcommand{\overlays}[2]{#2}

\long\def\fromSlide{%
  \@ifstar\fromSlide@E\fromSlide@NE}
\long\def\fromSlide@NE#1#2{#2}
\long\def\fromSlide@E#1#2{}
% Same for \onlySlide and \untilSlide

\newenvironment{itemstep}{\begin{itemize}}%
{\end{itemize}}
```

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OVERVIEW

Upgrade slides w/ Rule of Three!

Codes

Definition of strings, designation of colors & overlays

Compile

Auto-generated templates & Makefile by Ruby

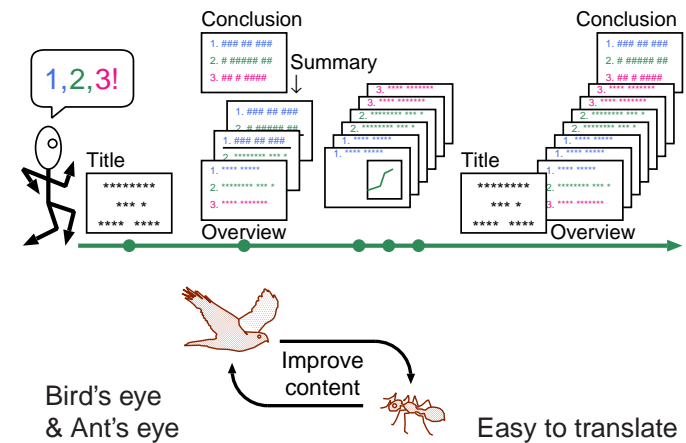
Benefits

What have I gained after putting this into practice?

Slide 15

Benefits

Perspective preparation



Slide 16

Benefits **Perspective handout**

```
\documentclass[article]{seminar}
```

But do NOT use this format for poster. See Ref.[3].

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Conclusion Upgrade your slides with Rule of Three & L^AT_EX

Codes
Definition of strings, designation of colors & overlays

Compile
Auto-generated templates & Makefile by Ruby

Benefits
Perspective preparation & handout earned reputation

Slide 19

Benefits **Reaction to my educational campaign**

- Request for lecture (w/o T_EX know-how)

- Ref.[4]: published in Scribd on Sep. '08
>1200 views, ★★★★★ by 2 readers

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References Sources of Alternate documents in English

- [1] Example of simple ternary format: *see this handout*.
<http://pubman.mpg.de/pubman/item/escidoc:94908>
- [2] Example of complex ternary format:
<http://pubman.mpg.de/pubman/item/escidoc:69880>
- [3] Example of poster presentation:
<http://pubman.mpg.de/pubman/item/escidoc:94914>
- [4] S. Todoroki: “Presentation skill to enhance your serendipity”, *Engineering Materials*, 55 [8] – 56 [3] (2007–2008), *in Japanese, not translated yet*.

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