

– hooklee's T<sub>E</sub>X contribution series –

# hooklee's T<sub>E</sub>X Template for Presentation based on pdfwin Package

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## Title Page

*Introduction*  
*Dynamic Pages*  
*Enjoy pstricks*  
*Enjoy Multimedia*  
更多功能?

第 1 页 / 共 10 页



全 屏

搜 索

关 闭

HookT<sub>E</sub>X

by hooklee

26 May 2004

# 目 录

<b>1 Introduction</b>	<b>3</b>
<b>2 Enjoy pstricks</b>	<b>5</b>
An Example . . . . .	6
<b>3 Enjoy Multimedia</b>	<b>7</b>
Basic Methods . . . . .	7
A Powerful Method: <i>multimedia</i> Package . . . . .	8
<b>4 更多功能?</b>	<b>9</b>



## Title Page

Introduction  
Dynamic Pages  
Enjoy pstricks  
Enjoy Multimedia  
更多功能?

第2页 / 共10页



全 屏

搜 索

关 闭

HookT<sub>E</sub>X

by hooklee  
26 May 2004

# 1 Introduction

There are many available solutions for slides in T<sub>E</sub>X. The most comprehensive introduction on how to make slides (not only with T<sub>E</sub>X) can be found at <http://www.miwie.org/presentations>, which is updated very frequently.

You are suggest trying some solutions by yourself to find the most suitable for your slides.

This template is used to show the integration of different T<sub>E</sub>X slide solutions. Also, I hope it is useful for you to make a beautiful presentation with T<sub>E</sub>X quickly.

A formal example of this template can be found at <http://www.hooklee.com/Talks/DigitalChaos.pdf>.



Title Page

**Introduction**

Dynamic Pages

Enjoy pstricks

Enjoy Multimedia

更多功能?

第3页 / 共10页



全屏

搜索

关闭

HookT<sub>E</sub>X

by hooklee

26 May 2004

# Dynamic Pages

- Item 1
- Item 2
- Item 3
- Item 4

Item 1 ...



Title Page

Introduction

**Dynamic Pages**

Enjoy pstricks

Enjoy Multimedia

更多功能?

第4a页 / 共10页



全屏

搜索

关闭

HookTeX

by hooklee

26 May 2004

# Dynamic Pages

- Item 1
- **Item 2**
- Item 3
- Item 4

Item 2 ...



Title Page

Introduction

**Dynamic Pages**

Enjoy pstricks

Enjoy Multimedia

更多功能?

第**4b**页 / 共**10**页



全 屏

搜 索

关 闭

HookTeX

by hooklee

26 May 2004

# Dynamic Pages

- Item 1
- Item 2
- **Item 3**
- Item 4

Item 3 ...



Title Page

Introduction

**Dynamic Pages**

Enjoy pstricks

Enjoy Multimedia

更多功能?

第**4c**页 / 共**10**页



全 屏

搜 索

关 闭

HookTeX

by hooklee

26 May 2004

# Dynamic Pages

- Item 1
- Item 2
- Item 3
- **Item 4**

Item 4 ...



*Title Page*

*Introduction*

**Dynamic Pages**

*Enjoy pstricks*

*Enjoy Multimedia*

更多功能?

第4d页 / 共10页



全屏

搜索

关闭

HookTeX

by hooklee

26 May 2004

## 2 Enjoy pstricks via pdftricks

As we know, *pstricks* package is a powerful tool to draw graphics via postscript language in T<sub>E</sub>X, but it cannot work with PDF<sub>L</sub>A<sub>T</sub>E<sub>X</sub>. *pdftricks* package is to partially solve this problem. Of course, such a solution is not complete and far from perfect. You are suggested to transfer to other T<sub>E</sub>X slide packages, such as *prospcr*, if you want to use *pstricks* more fluently.

hooklee made some modifications on the original *pdftricks* package to solve some compatibility problems and make the background transparent by default.



Title Page

Introduction

Dynamic Pages

**Enjoy pstricks**

Enjoy Multimedia

更多功能?

第5页 / 共10页



全屏

搜索

关闭

HookT<sub>E</sub>X

by hooklee

26 May 2004



## An Example

Note: following IEEE 754 standard, a 64-bit floating-point number  $b_{63}b_{62}\cdots b_{52}b_{51}\cdots b_0$  represents the following binary real number (except for some special values)

called mantissa

$$\pm \underbrace{1.b_{51}\cdots b_0}_{53 \text{ bits}} \times 2^{b_{62}\cdots b_{52}-1023}.$$

Note: your  $\text{\TeX}$  system must be correctly configured to support the mechanism of *pdftricks* package. For MiKTeX, you should ensure “write18 = enable” occurs in the file `miktex.ini`. Also, you should ensure `ps2eps.pl` and `bbox.exe` have been installed in your system. ChinaTeX CD will be configured to contain such requirements.



Title Page

Introduction

Dynamic Pages

**Enjoy pstricks**

Enjoy Multimedia

更多功能?

第6页 / 共10页



全屏

搜索

关闭

HookTeX

by hooklee

26 May 2004

# 3 Enjoy Multimedia

## Basic Methods

You can use a command of *hyperref* package to realize the replay of a multimedia file. It is like the following:

```
\href{run:clock.avi}{Click here to run clock.avi}
```

[Click here to run clock.avi](#)

In fact, you can also use `\href{run:...}{ }` to invoke a program, such as Matlab for some demos.



Title Page  
Introduction  
Dynamic Pages  
Enjoy pstricks

**Enjoy Multimedia**

更多功能?

第7页 / 共10页



全屏

搜索

关闭

HookTeX

by hooklee  
26 May 2004

## A Powerful Method: multimedia Package

However, the above method does not support the function of displaying the video within the pdf file itself, which is much more attractive for our audience. A powerful tool can help us to realize such a function: *multimedia* package, which is provided with *beamer* (another cool T<sub>E</sub>X slide package available at <http://latex-beamer.sourceforge.net>). For details on how to use this package, please see *beamer*'s manual.

Click here to start the movie



Title Page

Introduction

Dynamic Pages

Enjoy pstricks

**Enjoy Multimedia**

更多功能?

第8页 / 共10页



全屏

搜索

关闭

HookT<sub>E</sub>X

by hooklee

26 May 2004

## 4 更多功能?

与 *pdfscreen* 类似, *pdfwin* 的一个显著优点是与其他  $\text{T\TeX}$  宏包的兼容性较好。您可以使用其他宏包, 如 *ppower4* 宏包族增加 *pdfscreen* 中未提供的一些功能。例如, 您可以使用 *pause.sty* 宏包创建更为简单的动态页面。



Title Page  
Introduction  
Dynamic Pages  
Enjoy pstricks  
Enjoy Multimedia

**更多功能?**

第9页 / 共10页



全屏

搜索

关闭

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# Thank you!



*Title Page*  
*Introduction*  
*Dynamic Pages*  
*Enjoy pstricks*  
*Enjoy Multimedia*

**更多功能?**

第10页 / 共10页



全屏

搜索

关闭

HookTeX

by hooklee  
26 May 2004