Jack's beamer theme

My very first own LaTeX design

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alias JacknJo

Friedrichshafen
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Outline

Jack's Solution

1 Introduction

2 Utilities

3 Graphics

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Outline

1 Introduction

2 Utilities

3 Graphics

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Background

Jack's Solution

& personal inspiration

Hello all of you!
I'm Jack, 20 years old and student in electrical engineering in Friedrichshafen in Germany. This is my first try to design a own LaTeX template.
It's advantages are:

- clean structure
- nice & consistent design
- easy to use with a small basic LaTeX knowledge
- useful additional commands
- export file is `.pdf` which can be opened nearly anywhere!

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Outline

1 Introduction

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Text

Jack's Solution

Sometimes you need to present a paragraph of text, which looks better justified.

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

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Itemize

Jack's Solution

One of the most common ways to create slides is to use lots of itemizes. They are used for:

- better readability
- as short descriptions
  - for easy points
  - or difficult
    - topics
    - statements

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Itemize

Jack's Solution

One of the most common ways to create slides is to use lots of itemizes. They are used for:

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- they also can be made visible item by item

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Itemize

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One of the most common ways to create slides is to use lots of itemizes. They are used for:

- better readability
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  - for easy points
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    - topics
    - statements
- they also can be made visible item by item
- like this!

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Todo

Jack's Solution

list of all tasks

Many projects have deadlines and tasks you have to fulfill by a certain date. Presenting them the following way is very easy and leaves a good and professional impression.

task	deadline	state
basic tutorials in creating a beamer template	01.02.03	☑
starting a own development	01.03.16	☑
creating a presentation with all the theme's capabilities	03.04.16	☑
finishing the beamer template	01.06.16	☐

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Math environment

Jack's Solution

presenting formula is very easy in LaTeX

$$f(x) = \sum_{i=0}^{\infty} \frac{f^{(i)}(x_0)}{i!}(x - x_0)^i$$

$$\frac{\pi^2}{6} = \lim_{n \to \infty} \sum_{k=1}^{n} \frac{1}{k^2}$$

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Blocks

Jack's Solution

example, alert and standard

Exampleblock

Inside this box you can place an example or a task for your audience:
What is the square root of 144? $\sqrt{144} =$

Alertblock

There is no real solution to a negative square root!

Block

Use this for any other reason you can imagine!

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Comparison

Jack's Solution

of advantages and disadvantages

This is a example comparison:

Advantages	Disadvantages

© your copyright notice

Comparison

Jack's Solution

of advantages and disadvantages

This is a example comparison:

Advantages	Disadvantages
lifetime	
easy handling	
costs	

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Comparison

Jack's Solution

of advantages and disadvantages

This is a example comparison:

Advantages

- lifetime
- easy handling
- costs

Disadvantages

- weight
- resolution
- integration time

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Comparison

Jack's Solution

of two items

This is a example comparison:

Advantages		Disadvantages
lifetime	⟷	weight
easy handling	⟷	resolution
costs	⟷	integration time (also works for long texts)
another	⟷	...

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Cites

Jack's Solution

that get automatically listed in the last frame

The following randomly picked text about the **Day of the Barricades** is from wikipedia and listed in [1]: „In the French Wars of Religion, the Day of the Barricades (in French: Journée des barricades), 12 May 1588, was an outwardly spontaneous public uprising in staunchly Catholic Paris against the moderate [...] “.
„Horse racing is an equestrian performance sport, involving two or more jockeys riding horses over a set distance for competition. It is one of the most ancient of all sports and its basic premise – to identify which of two or more horses is the fastest over a set course or distance – has remained unchanged since the earliest times. “ is a text about **horse racing** provided by [2]

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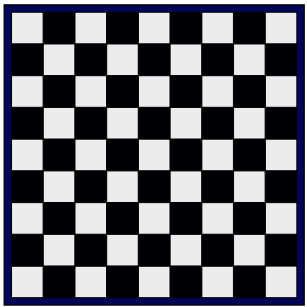
Zoom

Jack's Solution

stretch a picture to screen size

This is actually really usefull if you have a detailed picture and need the space to explain it's content.



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Zoom

Jack's Solution

stretch a pictu

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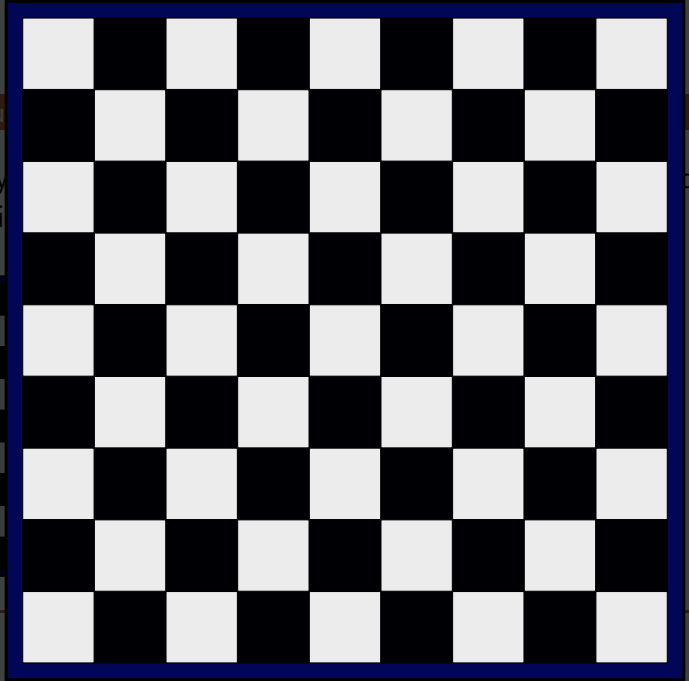

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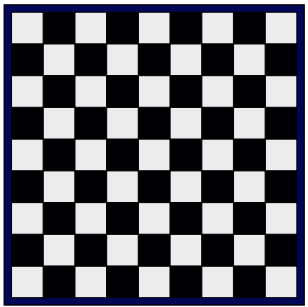

- Conclusion xyz
- and another more detailed one
  - with this and
  - this content
- just edit the counter of the only command

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Graphics

Jack's Solution

absolute position

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Graphics

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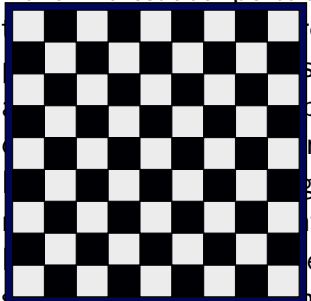
absolute position



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Graphics

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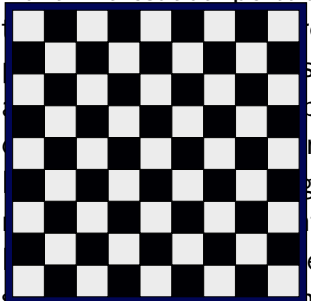
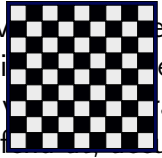
absolute position





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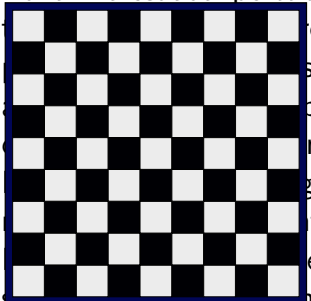
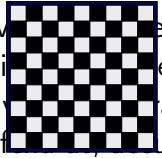
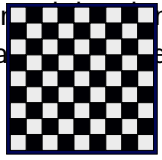
absolute position







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Graphics

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relative position in a tabular

This may be usefull for some iconified graphics.

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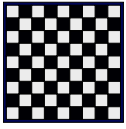

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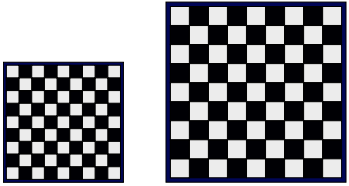

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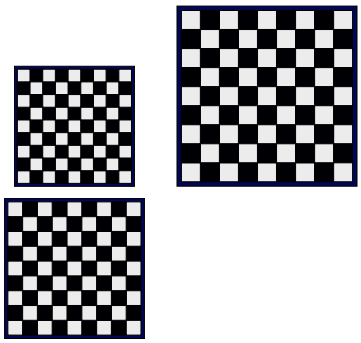

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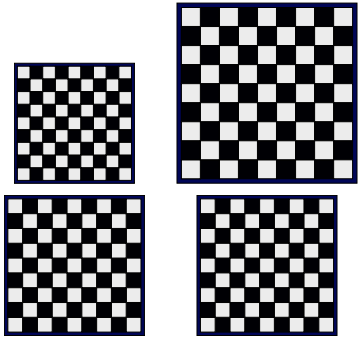

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Literature I

[1] Wikipedia, *Day of the barricades*, `https://en.wikipedia.org/wiki/Day_of_the_Barricades`, [online; from 12.05.2016], 12.05.2016.

[2] ——, *Horse racing*, `https://en.wikipedia.org/wiki/Horse_racing`, [online; from 12.05.2016], 12.05.2016.

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