



STABILIZZAZIONE NEL PIANO DI GOUGH-STEWART

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ARGOMENTI TRATTATI



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INTRODUZIONE



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PIATTAFORMA DI GOUGH-STEWART



- I created this theme for my M.Sc. thesis presentation at the University of Naples, Federico II.

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PIATTAFORMA DI GOUGH-STEWART



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- ▶ The theme is based on the **AAU Simple** beamer theme by **Jesper Kjær Nielsen**.

INSTALLATION



INSTALLATION



The theme consists of five files

1. `beamerthemeUniNA.sty`
2. `beamerinnerthemeUniNA.sty`
3. `beamerouterthemeUniNA.sty`
4. `beamercolorthemeUniNA.sty`
5. `beamerfontthemeUniNA.sty`

The theme can either be installed for local or global use.

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Local Installation

The simplest way of installing the theme is by placing the five theme files in the same folder as your presentation.

INSTALLATION



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Global Installation

- ▶ If you wish to make the theme globally available, you must put the files in your local LaTeX directory tree. The location of the root of the local directory tree depends on the operating system and the LaTeX distribution.
- ▶ Refer to your distribution's documentation for details.

INSTALLATION

REQUIRED PACKAGES



Of course, you have to have the Beamer class installed. In addition, the theme loads the following packages:

- ▶ TikZ¹;
- ▶ calc, fp, adjustbox, setspace, transparent.

These packages are very common and should therefore be included in your LaTeX distribution.

¹By the way, TikZ is an awesome package for creating beautiful graphics, and this is a footnote.

USER INTERFACE



TERGES
TVM

USER INTERFACE

LOADING THE THEME AND THEME OPTIONS



The Presentation Theme

It is very simple to load the presentation theme. Just type

```
\usetheme [<options>] {UniNA}
```

which is exactly the same way other beamer presentation themes are loaded. The presentation theme loads the inner, outer, color and font UniNA theme files and passes the <options> on to these files.

USER INTERFACE

THEME OPTIONS



Theme options

The following options are available:

- ▶ `rotationcw`: set the direction of the rotation of the progress circle to clockwise instead of counterclockwise.
- ▶ `sectionpages`: show section pages.
- ▶ `logo`: used to specify the path to the logo to use in the upper right corner.

USER INTERFACE

MODIFYING THE THEME



- ▶ You can modify specific elements of the theme through the templates provided by the beamer class. Please refer to the beamer user manual for instructions.

USER INTERFACE

MODIFYING THE THEME



- ▶ You can modify specific elements of the theme through the templates provided by the beamer class. Please refer to the beamer user manual for instructions.
- ▶ For example, on this rather bizarre-looking slide the following commands have been used:

```
\setbeamercolor{UniNA}{fg=blue!50,bg=green!60}  
\setbeamercolor{structure}{fg=red}  
\setbeamercolor{frametitle}{use=structure,fg=structure.fg}  
\setbeamercolor{itemize/enumerate body}{fg=white, bg=red}  
\setbeamercolor{normal text}{fg=white}  
\setbeamercolor{alerted text}{fg=blue}  
\setbeamercolor{background canvas}{bg=purple!50}
```

USER INTERFACE

MODIFYING THE THEME



- If you want to change the main colour and need a matching Federico II logo, you can compile your own as follows:

USER INTERFACE

MODIFYING THE THEME



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 1. change the definition of `logocolor` in `logo/logo-federico-II.tex` accordingly to your needs;

USER INTERFACE

MODIFYING THE THEME



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- ▶ If you want to change the main colour and need a matching Federico II logo, you can compile your own as follows:
 1. change the definition of `logocolor` in `logo/logo-federico-II.tex` accordingly to your needs;
 2. compile `logo/logo-federico-II.tex` with `xelatex`;

USER INTERFACE

MODIFYING THE THEME



- ▶ If you want to change the main colour and need a matching Federico II logo, you can compile your own as follows:
 1. change the definition of `logocolor` in `logo/logo-federico-II.tex` accordingly to your needs;
 2. compile `logo/logo-federico-II.tex` with `xelatex`;
- ▶ With your version of the logo in place, you can change the value of the `logo` parameter to the path of your own logo.

This is a frame with no header thanks to the `plain` option.

UNNUMBERED FRAME

SUBTITLE



This is a frame not contributing to the frame count, thanks to the `noframenumbering` option.

MATH AND BLOCKS

TEST MATH AND BLOCKS



The following text is alerted in the next slide. Now some math mode:
if $R = \{x \mid x \notin x\}$, then $R \in R \Leftrightarrow R \notin R$.

Observation

This is an observation.

Example 14

This is a nice example block.

Beware!

Naive set theory is *a wolf in sheep's clothing?*

MATH AND BLOCKS

TEST MATH AND BLOCKS



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Beware!

Naive set theory is *a wolf in sheep's clothing?*

STANDOUT FRAMES



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The UniNA beamer theme supports standout frames. For example, the following

```
\begin{frame}[plain,noframenumbering]
\standoutpage{This is a dark standout frame!}
\ end{frame}
```

```
\begin{frame}[plain,noframenumbering]
\standoutpagelight{This is a light standout frame!}
\ end{frame}
```

produces the following two slides.

The background of the slide features a large, faint, circular watermark of the TUM seal. The seal contains a central illustration of a building with three towers and two crossed flags. The Latin text "UNIVERSITAS • STYBIO RVM" is written along the top arc, and "MCMXXIV" along the bottom arc. Below the building, the words "TERGES" and "TUM" are visible.

This is a dark standout frame!

A large, light gray watermark of the University of Tübingen seal is centered in the background. The seal is circular, featuring a central illustration of a building with three towers and two crossed keys. The Latin text "UNIVERSITAS • TUBINGENSIS" is written along the top inner edge, and "MCMXXIV" is at the bottom. Below the building, the word "TERGES" and the Tübingen monogram "Tvm" are visible.

This is a light standout frame!

USER INTERFACE

WIDESCREEN SUPPORT



Widescreen Support

Newer projectors and almost any modern TV support a widescreen format such as 16:10 or 16:9. Beamer (\geq v. 3.10) supports various aspect ratios of the slides. According to section 8.3 on page 77 of the Beamer user guide v. 3.10, you can write

```
\documentclass[aspectratio=1610]{beamer}
```

to get slides with an aspect ratio of 16:10. You can also use 169, 149, 54, 43 (default), and 32 to get other aspect ratios.

The background of the slide features a large, faint, circular watermark of the TUM seal. The seal contains the text 'UNIVERSITAS • STYLBORVM' at the top and 'MCMXXIV' at the bottom. In the center is a depiction of a building with a bell tower, flanked by two crossed keys. Below the building, the word 'TERGES' and the letters 'TUM' are visible.

Thank you for your time!