

STOCKHOLM BEAMER THEME

sthlm is based on the hsrn theme

20130731-093333-rs2.2B-TemplatesthlmBeamerTheme

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Made in *Sweden*



OVERVIEW

1. Background
2. Structure
3. Features
4. Tutorial

BACKGROUND

WHAT IS BEAMER?

Beamer is a \LaTeX class for creating beautiful presentations.

WHAT IS BEAMER?

Be **A block hovering above the slide** ns.

- ☐ point 1
- ☐ point 2

STRUCTURE

PRIMARY PRESENTATION COLORS

The following rainbow of colors brings some life to the sthlm theme.

sthlmLightRed

sthlmGreen

sthlmDarkBlue

sthlmDarkGrey

sthlmLightGrey

sthlmLightRed

sthlmGreen

sthlmDarkBlue

sthlmDarkGrey

sthlmLightGrey

SECONDARY PRESENTATION COLORS

sthlmRed

sthlmYellow

sthlmLightYellow

sthlmLightBlue

sthlmBlue

sthlmPurple

sthlmGrey

sthlmRed

sthlmYellow

sthlmLightYellow

sthlmLightBlue

sthlmBlue

sthlmPurple

sthlmGrey

This theme requires that:

1. been designed to compile using pdflatex
2. the following three packages are installed
 - 2.1 beamer
 - 2.2 pgf
 - 2.3 xcolor

This theme has:

- been designed to compile using pdflatex
- the following three packages are installed
 - beamer
 - pgf
 - xcolor

The default Beamer Box

Block Title Here

- point 1
- point 2

```
1 \begin{block}{Block Title Here}
2     \begin{itemize}
3         \item point 1
4         \item point 2
5     \end{itemize}
6 \end{block}
```

Alert Block

Highlight important information.

```
1 \begin{alertblock}{Alert Block}
2     Highlight important information.
3 \end{alertblock}
```

Example Block

Examples can be good.

```
1 \begin{exampleblock}{Example Block}
2     Examples can be good
3 \end{exampleblock}
```

Purple customization

Using the theme colors to generate colored blocks.

```
1 \begingroup
2 \setbeamercolor{block title}{bg=sthlmPurple}
3 \setbeamercolor{block body}{bg=sthlmLightGrey}
4 \begin{block}{Custom Blocks}
5     Using the theme colors to generate
6     colored blocks.
7 \end{block}
8 \endgroup
```

FEATURES

IMAGES WITH COPYRIGHT



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Table: Selection of window function and their properties

Window	First side lobe	3 dB bandwidth	Roll-off
Rectangular	13.2 dB	0.886 Hz/bin	6 dB/oct
Triangular	26.4 dB	1.276 Hz/bin	12 dB/oct
Hann	31.0 dB	1.442 Hz/bin	18 dB/oct
Hamming	41.0 dB	1.300 Hz/bin	6 dB/oct

Fourier Integral

$$F(j\omega) = \int_{-\infty}^{\infty} f(t) \cdot e^{-j\omega t} dx$$

PGFPLOTS BAR PLOT EXAMPLE

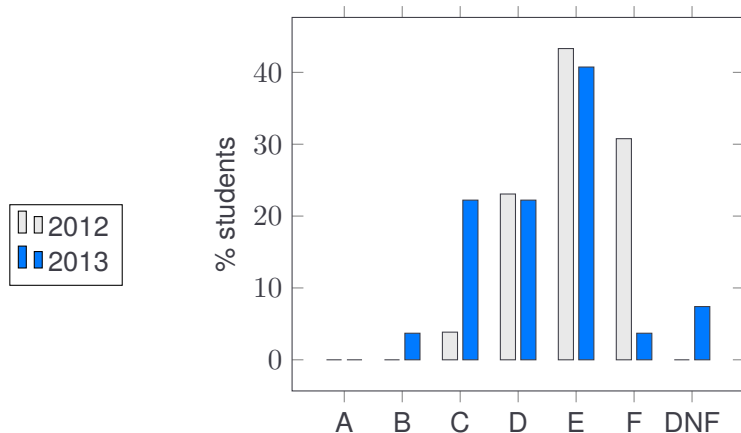


Figure: Consistent improvement over the last year

PGFPLOTS 3-D EXAMPLE

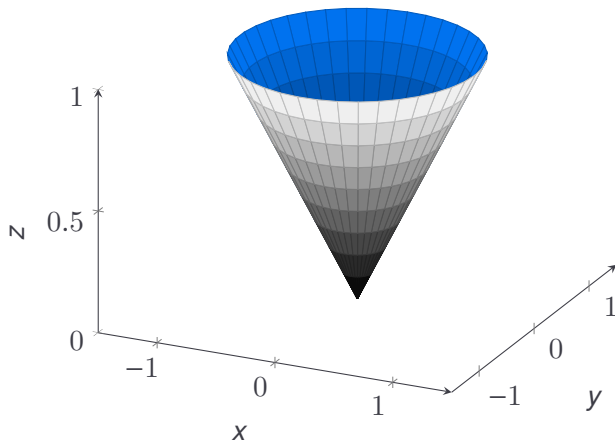
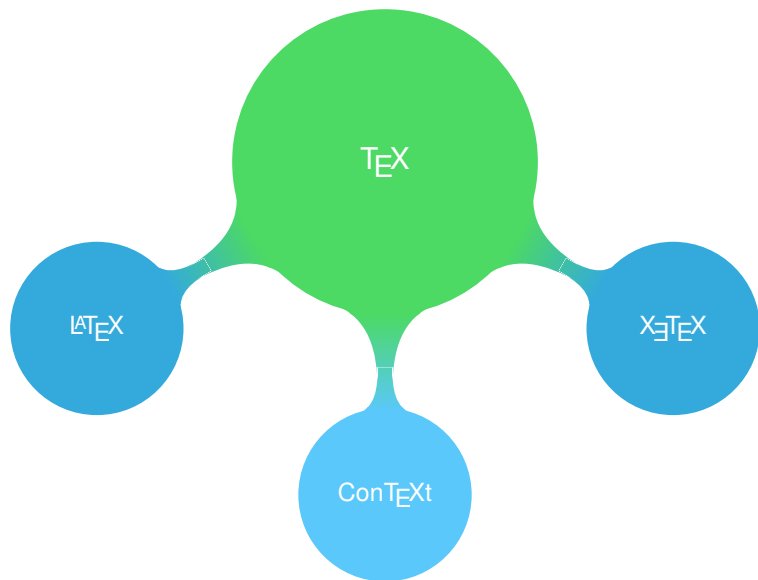


Figure: Easily add beautiful plots



TUTORIAL

THEME OPTIONS

This theme comes with some options to change it's appearance.

Option	Description
nosectionpages	Section pages will be supressed.

PRESENTATION STRUCTURE

A section page will be generated and the section name included in the presentation header for each section of the presentation with the current section being emphasized. If you include subsections in your presentation, then a small block will appear under the section name in the header for each frame. Once a frame has been viewed it will turn green.

It's worth noting that a frame can make up multiple slides.

```
1 \section{Main Section}
2 \subsection{Main Subsection}
3 \begin{frame}
4 \frametitle{Presentation Stucture}
5 % Frame Contents Here
6 \end{frame}
```

TABLE OF CONTENTS

Include a listing of the presentation's sections

```
1 \maketitle
```

For those longer presentations - keep the table of contents compact.

```
1 \begin{frame}{Overview}  
2   \tableofcontents[hideallsubsections]  
3 \end{frame}
```

At any time you can highlight text by using the `\alert` definition:

○ THIS IS SUPER IMPORTANT!

The sthlm presentation has both `>` and `\lstinline!` definitions for quoting text.

`>`This text has been quoted`<`

`»`This text has been double quoted`«`

There are a couple different ways in which you can present your presentation.

- Splitshow (Mac OS X)
<https://code.google.com/p/splitshow/>
- pdf-presenter (Windows)
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Let me include a note for this particular slide.

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MULTIPLE COLUMNS

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voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

- Point 1
- Point 2

REFERENCES



Alan V. Oppenheim

Discrete - Time Signal Processing

Prentice Hall Press, 2009



European Broadcasting Union

Specification of the Broadcast Wave Format (BWF)

2011

This sthlm beamer theme is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

If you have any questions or comments

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