# STOCKHOLM BEAMER THEME
## sthlm is based on the hsrm theme

20130731-093333-r2.2B-TemplatesthlmBeamerTheme

**HendryOlson.com**

Internationella Engelska Gymnasiet Södermalm
Made in **Sweden**

## OVERVIEW

# BACKGROUND

Beamer is a LaTeX class for creating beautiful presentations.

Bea ns.

**A block hovering above the slide**

- ○ point 1
- ○ point 2

STRUCTURE

The following ios7 inspired colors structure the sthlm theme.

| | |
|---|---|
| sthlmLightRed | sthlmLightRed |
| sthlmGreen | sthlmGreen |
| sthlmDarkBlue | sthlmDarkBlue |
| sthlmDarkGrey | sthlmDarkGrey |
| sthlmLightGrey | sthlmLightGrey |

sthlmRed
sthlmYellow
sthlmLightYellow
sthlmLightBlue
sthlmBlue
sthlmPurple
sthlmGrey

| sthlmRed |
| sthlmLightBlue |
| sthlmYellow |
| sthlmLightYellow |
| sthlmBlue |
| sthlmPurple |
| sthlmGrey |

## ENUMERATED LISTS

This theme requires that:

1. the beamer presentation is compiled with X<sub>E</sub>T<sub>E</sub>X
2. the following three packages are installed
    2.1 `beamer`
    2.2 `pgf`
    2.3 `xcolor`
3. the following fonts are installed[1]
    3.1 ›Flama-Light‹
    3.2 ›Flama-Book‹
    3.3 ›Flama-Medium‹

---

[1] Arial will be used if Flama fonts are missing.

This theme requires that:

- ◯ the beamer presentation is compiled with X∃TEX
- ◯ the following three packages are installed
  - ○ `beamer`
  - ○ `pgf`
  - ○ `xcolor`
- ◯ the following flama fonts are installed [2]
  - ○ ›Flama-Light‹
  - ○ ›Flama-Book‹
  - ○ ›Flama-Medium‹

---

[2]The flama font is available from http://www.felicianotypefoundry.com/

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}
```

# ADDITIONAL BLOCKS

### 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}
```

# CUSTOM BLOCKS

## 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
          colored blocks.
6  \end{block}
7  \endgroup
```

FEATURES

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

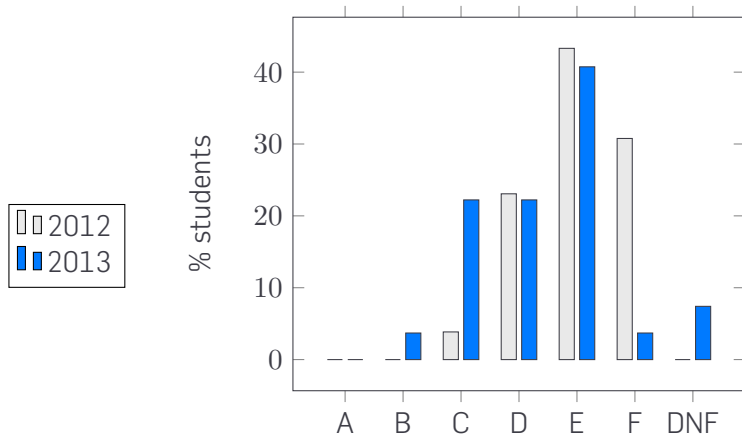$$F(\mathrm{j}\omega) = \int_{-\infty}^{\infty} f(t) \cdot \mathrm{e}^{-\mathrm{j}\omega t} \,\mathrm{d}x$$
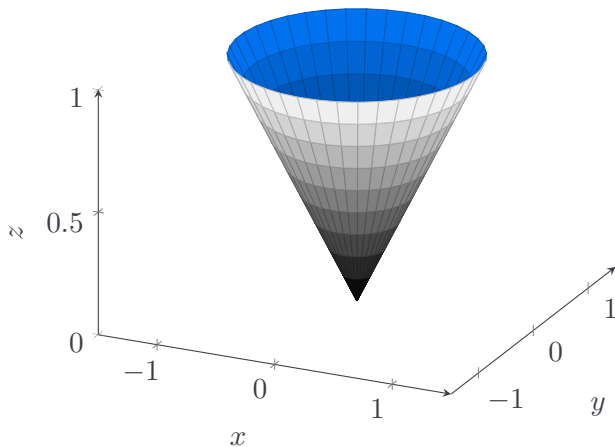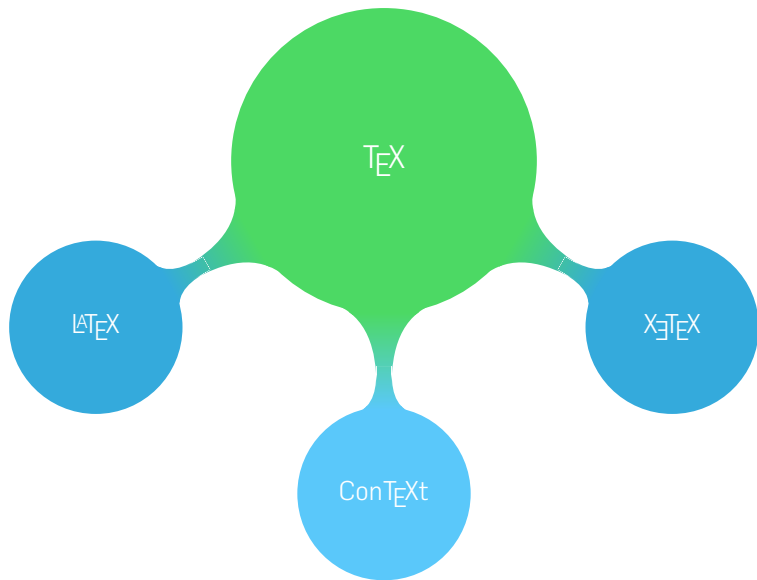
Figure: Consistent improvement over the last year

Figure: Easily add beautiful plots

TUTORIAL

# THEME OPTIONS

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

| Option | Description |
| --- | --- |
| `noflama` | If the Flama font is missing you can fall back on the Arial default font. |
| `noserifmath` | Math will be typeset with a sans-serif font. |
| `nosectionpages` | Section pages will be supressed. |

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 empasized. 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 `\quoted` and `\doublequoted` 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)
  **https://code.google.com/p/pdf-presenter/**

NOTES

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)
  **https://code.google.com/p/pdf-presenter/**

Let me include a note for this particular slide.

- Splitshow (Mac OS X)
  **https://code.google.com/p/splitshow/**

- pdf-presenter (Windows)
  **https://code.google.com/p/pdf-presenter/**

## MULTIPLE COLUMNS

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in 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

📕 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

○ **sayhi@hendryolson.com**