



Robert Rehr

Beamer Template of the Signal Processing Group

This is how the subtitle looks University of Hamburg Department of Informatics March 11, 2018



- 1. Predefined Colors
- 2. Itemize and Enumerate
- 3. Blocks
- 4. Citations
- 5. Audio
- 6. TikZ Extensions



Predefined Colors



Predefined colors are

- uhhblue rgb(0,156,209)
- uhhgreen rgb(66,178,60)
- uhhred rgb(226,0,26)
- uhhblack rgb(0,0,0)
- uhhstone rgb(59,81,91)



Itemize and Enumerate



Itemize and Enumerate



Itemize Environment

- First level
 - Second Level
 - Third level
- ✓ This is good (\cmark)
- ★ This is bad (\xmark)
- → This is follows from the upper points (\filledrightarrow)
 - This follows → inline (\filledrightarrow[uhhblue])



Itemize and Enumerate



Enumerate Environment

- 1. First level
 - 1.1 Second level
 - 1.1.1 Third level



Blocks



Blocks



Block Demonstration

This is the Block Title

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Citations

∪H **#**

- Another citation^[1]
- Always cite Timo^[2]
- Bibliography can be included on any slide

^[1] breithaupt_parameterized_2008.

^[2] gerkmann_improved_2008.

^[3] gerkmann_bayesian_2014.



SP Signal Processing

Audio

- Play some sound: ○
- Realized using \spaudio{audioexamples/timit.mp3}
- switch for Acrobat Reader in beamersp2017.sty \usepackage[acrobat]{beamersp2017}



Overlay Effects in TikZ Images

→

Overlay Effects in TikZ Images



Overlay Effects in TikZ Images



Overlay Effects in TikZ Images





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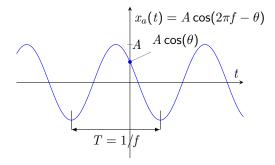


Standalone Legends



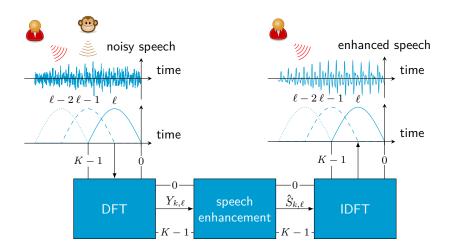
Custom legends using customlegend environment

A Sine in TikZ

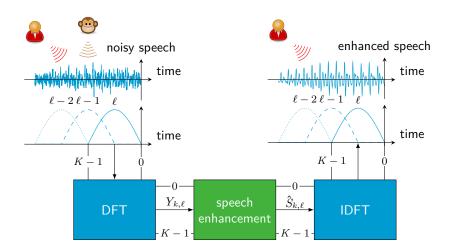


■ Demo on how to plot a sine in TikZ

An STFT Framework in TikZ



An STFT Framework in TikZ



An STFT Framework in TikZ

- Some notes on the STFT framework picture
- It requires the following files
 - data/STFT.tex
 - graphics/PersonRed.pdf
 - graphics/Monkey.pdf
- Changing the folders of these files requires editing of the graphic itself
- The graphic itself is given in graphics/STFT.tex