Title As It Is In the Proceedigs

If the Paper has a subtitle

John Doe, Jane Doe
john.doe@example.com, jane.doe@example.com
1. August 2025

Universität Stuttgart
Institute of Communication Networks
and Computer Engineering (IKR)
Prof. Dr.-Ing. Andreas Kirstädter

Agenda

1. Motivation1

2. This is the long name of the Content Chapter

3. Results

4. Summary

Make Titles Informative. Use Uppercase Letters.

1 cm

28.45 pt

- Use Itemize a lot
- Use very short sentences or short phrases
- These overlays are created using the Pause style
- Don't use frame subtitles: They don't fit into the box

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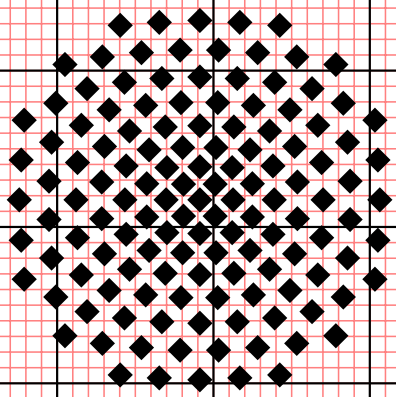
Tables

- To use tables within your presentation
  - Use few lines
  - Mostly horizontal lines
- Place the bare minimum information to prevent distraction

	Feature A	Feature B	Feature C
Cat	0	1	1
Human	0	1	1
Fish	1	0	0
Bird	0	1	1

Figures and Text - Part 1



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- Use figures to visualize your work
  - Use simple schemes
  - Use vector graphics (e.g. *.eps, *.pdf)
  - Latex directly handles *.eps and (with correctly installed Inkscape)packages *.svg files
- Usually the audience is mostly interested in figures

Figure and Text - Part 2

- You can also place the figure after the text
- Use figures to visualize your work
  - Use few lines
  - Use vector graphics (e.g. *.eps, *.pdf)
- Use scaling *textwidth* to fit the figure to the page

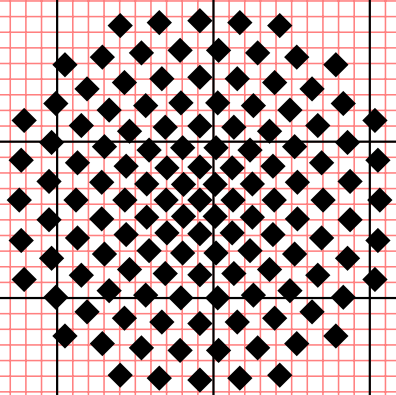

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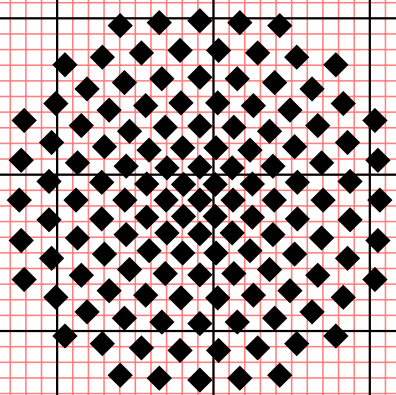
Figure and Reference

- Sometimes it might be usefull to cite the author of a certain figure directly
  - e.g. because he might be part of the audience
  - Only this slide will be published as standalone publication
- Do not overload your presentation
- The figure shows our logo [1]



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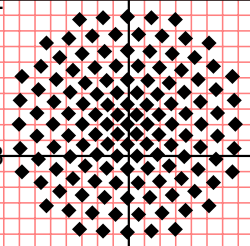
[1] Institute of Telecommunications, www.inue.uni-stuttgart.de

Compare Two Figures

1 cm

28.45 pt



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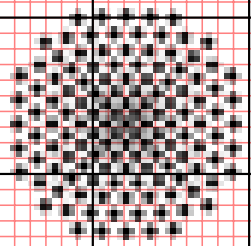

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- Use vector graphics
- The scaling is better
  - You can easily reuse them
  - Editing is easier
- Use Inkscape for editing

- Bitmaps are bad
  - Do not scale very well
  - Bad for high-resolution reprints
- Use high resolution if bitmap is not avoidable

Comparison

1 cm

28.45 pt

Method 1

- Has some real advantages
- But also some disadvantages
  - Which is bad
  - But not so bad
- Could be used for our research

Method 2

- Covers different topics
  - Such as this topic
  - And the other topic
- Is not investigated by our research

Comparison Using Two Boxes

1 cm

28.45 pt

advantages [Xin et al., 2015]

- advantage 1
- advantage 2
- advantage 3
- advantage 4
- advantage 5

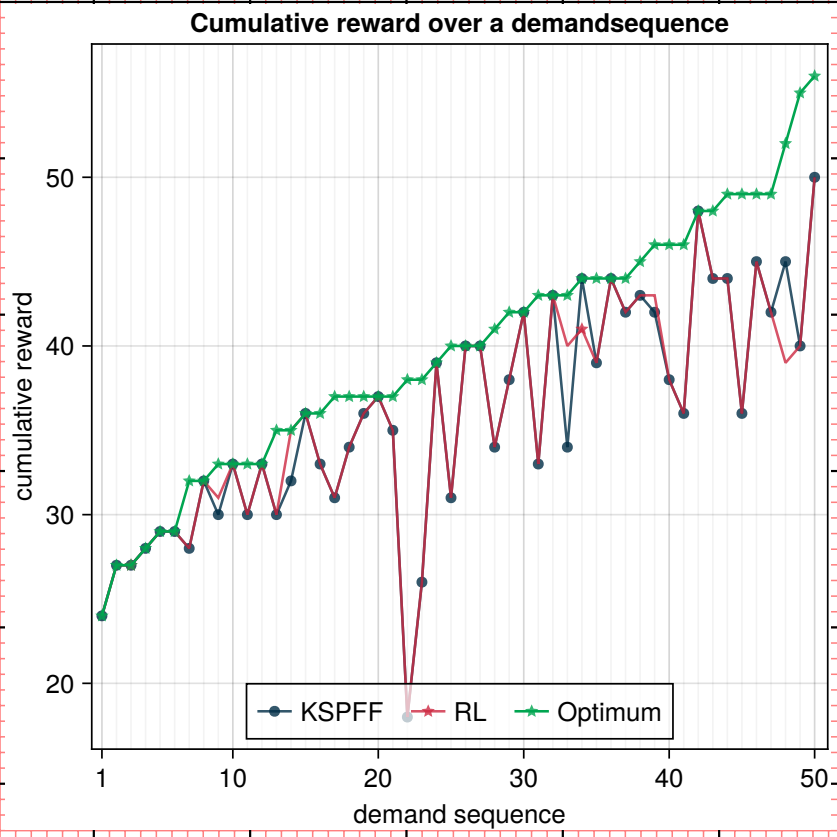
disadvantages

- disadvantage 1
- disadvantage 2
- disadvantage 3
- disadvantage 4
- disadvantage 5

$\Longrightarrow$ It is always a trade-off between the advantages and disadvantages of a certain method [Jones and Sampath, 2015]

Julia Plots

- Julia supports direct export into PDF (*.PDF)
- Mention the main simulation parameters
- Take care that the font is large enough



Using Blocks and Itemize Together

Testblock

- Untitled block
  - Subitem
- Shown on all slides

Some Example Block Title

- $e^{i\pi} = -1$
- $e^{i\pi/2} = i$
- Only visible on the second slide

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Using Textblock

1 cm

28.45 pt

Text can be positioned freely with the textblock environemnt

Boxes can be shown with

```
\TPoptions{showboxes=true}
```

Important Equations

Attenuation Coefficient

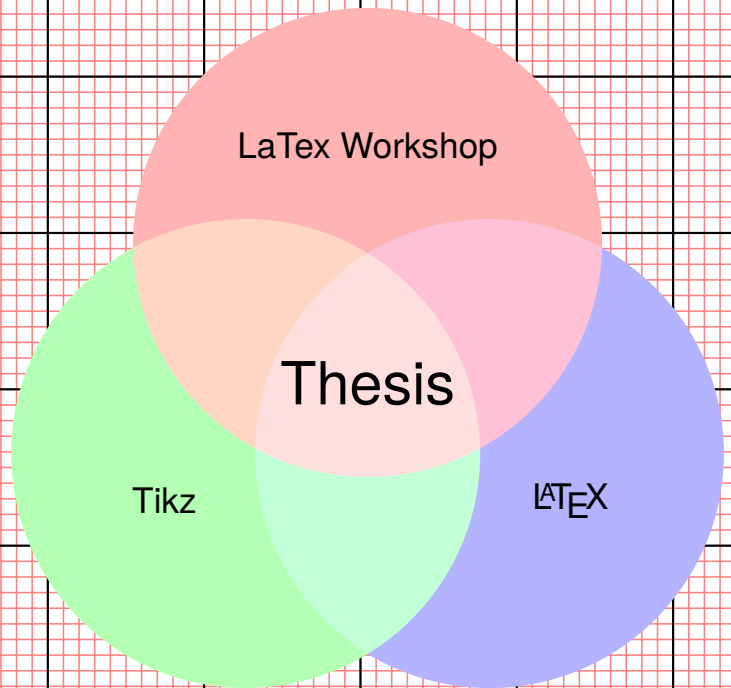
$$\alpha(\omega) = \frac{1}{\sqrt{2}}\sqrt{\sqrt{(R'^2 + \omega^2 L'^2)(G'^2 + \omega^2 C'^2)} + R'G' - \omega^2 L'C'} \tag{1}$$

Reflection Coefficient

$$r_\mathrm{i} = \frac{Z_\mathrm{i} - Z_\mathrm{L}}{Z_\mathrm{i} + Z_\mathrm{L}} \tag{2}$$

- Use numbering for questions from the audience
- Avoid too many equations in your presentation
- (1) contains many unknown paramters

Tikz



Use Tikz

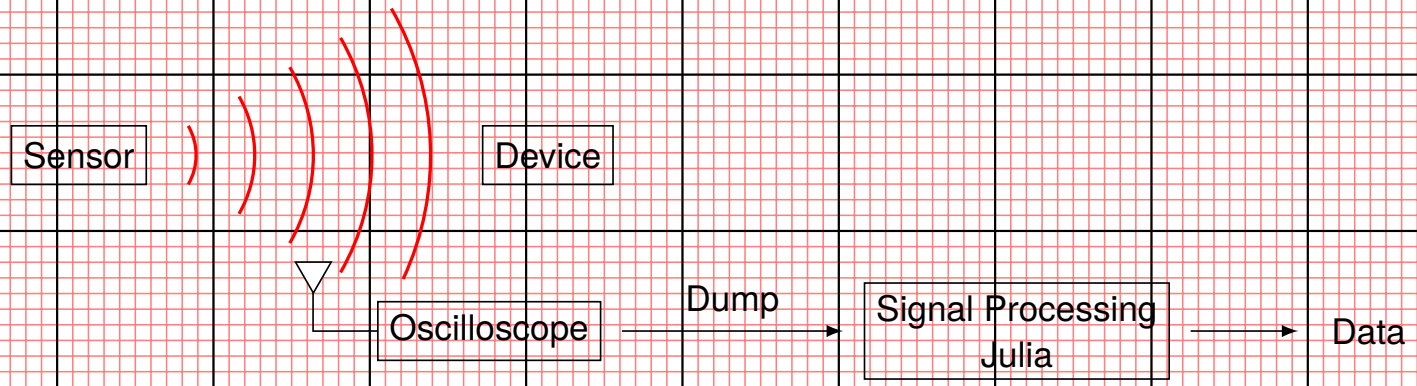
- Many examples on texample.net/tikz
- Your results are innovative
- Figures can be easily included with the *input* command

Tikz (2)

How to insert Tikz images:

- Insert a figure float environment, remove the caption field (1x Backspace)
- Insert a preview box (last entry in the menu “Insert”) into the figure box
- Insert a child document containing your Tikz code. Take care to select “Input”, not “Include” and to check the preview option
- If required, scale the image by putting the preview box into a scalebox using ERT

Results



Results

Show your results in a Block, to point out that:

- Your results are innovative
- Your results are well interpreted

Summary

- Showed how to use the presentation template
- Typical layouts for slides have been shown including
  - Tables
  - Images
  - Multiple columns
- Alarm text style can be used to mark the important parts in lengthy sentences
  → But in general: keep it short
- Outlook
  - Discuss new template-features with your supervisor
  - Newest release available on `https://appsrv1:3000/nclshrnk/BeamerThemeIKRv3.git`
  - Some References:

[Kuo, 1981, Segev et al., 2014, Ghosh et al., 2015, Jones and Sampath, 2015, Ling et al., 2015, Yang and Shao, 2015, Zhang et al., 2015]

References

[Ghosh et al., 2015] Ghosh, C., Moustafa, H., Venkatesan, G., and Segev, J. (2015).
NGP Use Case.
Technical Report IEEE 802.11-15/0919r1.

[Jones and Sampath, 2015] Jones, V. and Sampath, H. (2015).
Emerging technologies for WLAN.
Communications Magazine, IEEE, 53(3):141–149.

[Kuo, 1981] Kuo, F. F. (1981).
Computer Networks - The ALOHA System.
Journal of Research of the National Bureau of Standards, 86(6).

[Ling et al., 2015] Ling, J., Kanugovi, S., Vasudevan, S., and Pramod, A. (2015).
Enhanced capacity and coverage by Wi-Fi LTE integration.
Communications Magazine, IEEE, 53(3):165–171.

[Segev et al., 2014] Segev, J., Aldana, C., Kakani, N., de Vegt, R., Basson, G., Venkatesan, G., and Prechner, G. (2014).
Next Generation Positioning Beyond Indoor Navigation.
Technical Report IEEE 802.11-14/1193r0.

[Xin et al., 2015] Xin, Y., Aboul-Magd, O., Sun, R., and Calcev, G. (2015).
802.11ay Timeline.
Technical Report IEEE 802.11-15/0609r2.

[Yang and Shao, 2015] Yang, C. and Shao, H.-r. (2015).
WiFi-based indoor positioning.
Communications Magazine, IEEE, 53(3):150–157.

[Zhang et al., 2015] Zhang, H., Chu, X., Guo, W., and Wang, S. (2015).
Coexistence of Wi-Fi and heterogeneous small cell networks sharing unlicensed spectrum.
Communications Magazine, IEEE, 53(3):158–164.