Presentation Title

Presentation Subtitle

Ausgeführt von: Walter Subject
Personenkennzeichen: 1234567890

Betreuer: 1st Supervisor
2nd Supervisor

Vienna, Sunday 9th December, 2018

FH University of Applied Sciences TECHNIKUM WIEN

Placeholder

Placeholder

2018-12-09

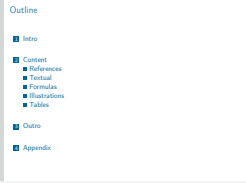
Outline

1 Intro

2 Content
- References
- Textual
- Formulas
- Illustrations
- Tables

3 Outro

4 Appendix



Introduction

Embedded Systems (ES)-style beamer template of UAS Technikum Wien.

Walter Subject
Presentation Title
Presentation Subtitle
Intro
Content
References
Textual
Formulas
Illustrations
Tables
Outro
Appendix

Introduction
Embedded Systems (ES)-style beamer template of UAS Technikum Wien.

Introduction

- Issue 1
- Issue 2
- Issue 3

Demonstration I

- References
- Itemize
- Enumerate
- Description
- Block

Demonstration I
References
Itemize
Enumerate
Description
Block

Walter Subject

Presentation Title
Presentation Subtitle
Intro
Content
References
Textual
Formulas
Illustrations
Tables
Outro
Appendix

Demonstration II

- Formulas
- Illustrations
- Listings
- Tables

Demonstration II
- Formulas
- Illustrations
- Listings
- Tables

Walter Subject

Presentation Title
Presentation Subtitle
Intro
Content
References
Textual
Formulas
Illustrations
Tables
Outro
Appendix

Demonstration - References

- Einstein [5]
- Pentz [8]
- Goossens et al. [6]
- Daniel [4]
- Knuth [7]
- [1, 2, 3]

Demonstration - References

- Einstein [5]
- Pentz [8]
- Goossens et al. [6]
- Daniel [4]
- Knuth [7]
- [1, 2, 3]

Demonstration - Itemize

- One

Walter Subject
Presentation Title
Presentation Subtitle
Intro
Content
References
Textual
Formulas
Illustrations
Tables
Outro
Appendix

Demonstration - Itemize
One

Demonstration - Itemize

- One
- Two

Demonstration - Itemize
One
Two

Walter Subject

Presentation Title
Presentation Subtitle
Intro
Content
References
Textual
Formulas
Illustrations
Tables
Outro
Appendix

Demonstration - Itemize

- One
- Two
- Three

Demonstration - Itemize
One
Two
Three

Walter Subject
Presentation Title
Presentation Subtitle
Intro
Content
References
Textual
Formulas
Illustrations
Tables
Outro
Appendix

Demonstration - Itemize

- One
- Two
- Three
  - Four

Demonstration - Itemize
One
Two
Three
- Four

Walter Subject

Presentation Title
Presentation Subtitle
Intro
Content
References
Textual
Formulas
Illustrations
Tables
Outro
Appendix

Demonstration - Itemize

- One
- Two
- Three
  - Four
  - Five

Demonstration - Itemize
One
Two
Three
- Four
- Five

Walter Subject

Presentation Title
Presentation Subtitle
Intro
Content
References
Textual
Formulas
Illustrations
Tables
Outro
Appendix

Demonstration - Itemize

- One
- Two
- Three
  - Four
  - Five
  - Six

Demonstration - Itemize
One
Two
Three
Four
Five
Six

Walter Subject
Presentation Title
Presentation Subtitle
Intro
Content
References
Textual
Formulas
Illustrations
Tables
Outro
Appendix

Demonstration - Enumerate

1. One

Demonstration - Enumerate
1 One

Walter Subject
Presentation Title
Presentation Subtitle
Intro
Content
References
Textual
Formulas
Illustrations
Tables
Outro
Appendix

Demonstration - Enumerate

1. One
2. Two

Demonstration - Enumerate
One
Two

Walter Subject
Presentation Title
Presentation Subtitle
Intro
Content
References
Textual
Formulas
Illustrations
Tables
Outro
Appendix

Demonstration - Enumerate

1. One
2. Two
3. Three

Demonstration - Enumerate
One
Two
Three

Walter Subject
Presentation Title
Presentation Subtitle
Intro
Content
References
Textual
Formulas
Illustrations
Tables
Outro
Appendix

Demonstration - Description

Ant Ameise

Demonstration - Description
Ant Ameise

Walter Subject

Presentation Title
Presentation Subtitle
Intro
Content
References
Textual
Formulas
Illustrations
Tables
Outro
Appendix

Demonstration - Description

Ant Ameise

Elephant Elefant

Demonstration - Description
Ant Ameise
Elephant Elefant

Walter Subject
Presentation Title
Presentation Subtitle
Intro
Content
References
Textual
Formulas
Illustrations
Tables
Outro
Appendix

Demonstration - Description

Ant Ameise

Elephant Elefant

Bee Biene

Demonstration - Description
Ant Ameise
Elephant Elefant
Bee Biene

Walter Subject

Presentation Title
Presentation Subtitle
Intro
Content
References
Textual
Formulas
Illustrations
Tables
Outro
Appendix

Demonstration - Description

Ant Ameise

Elephant Elefant

Bee Biene

Honey Honig

Demonstration - Description
Ant Ameise
Elephant Elefant
Bee Biene
Honey Honig

Walter Subject
Presentation Title
Presentation Subtitle
Intro
Content
References
Textual
Formulas
Illustrations
Tables
Outro
Appendix

Demonstration - Block

This is a block

Lipsum ipsum dolor sit amet, consectetur elit. Morbi ac arcu est, vel poseuere velit. In congue erat vel lorem ornare pretium.

Walter Subject
Presentation Title
Presentation Subtitle
Intro
Content
References
Textual
Formulas
Illustrations
Tables
Outro
Appendix

Demonstration - Block

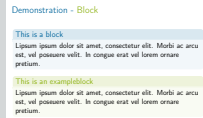
This is a block

Lipsum ipsum dolor sit amet, consectetur elit. Morbi ac arcu est, vel poseuere velit. In congue erat vel lorem ornare pretium.

This is an exampleblock

Lipsum ipsum dolor sit amet, consectetur elit. Morbi ac arcu est, vel poseuere velit. In congue erat vel lorem ornare pretium.

Walter Subject
Presentation Title
Presentation Subtitle
Intro
Content
References
Textual
Formulas
Illustrations
Tables
Outro
Appendix



Demonstration - Block

This is a block

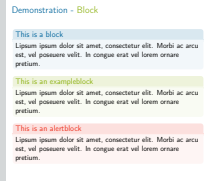
Lipsum ipsum dolor sit amet, consectetur elit. Morbi ac arcu est, vel poseuere velit. In congue erat vel lorem ornare pretium.

This is an exampleblock

Lipsum ipsum dolor sit amet, consectetur elit. Morbi ac arcu est, vel poseuere velit. In congue erat vel lorem ornare pretium.

This is an alertblock

Lipsum ipsum dolor sit amet, consectetur elit. Morbi ac arcu est, vel poseuere velit. In congue erat vel lorem ornare pretium.



Walter Subject
Presentation Title
Presentation Subtitle
Intro
Content
References
Textual
Formulas
Illustrations
Tables
Outro
Appendix

Demonstration - Equations

$$a = bq + r \tag{1}$$

where (1) is true if a and b are integers with $b \neq c$.

Maxwell's equations:

$$B' = -\nabla \times E, \tag{2a}$$
$$E' = \nabla \times B - 4\pi j, \tag{2b}$$

Walter Subject
Presentation Title
Presentation Subtitle
Intro
Content
References
Textual
Formulas
Illustrations
Tables
Outro
Appendix

Demonstration - Equations
$a = bq + r$ (1)
where (1) is true if a and b are integers with $b \neq c$.
Maxwell's equations:
$B' = -\nabla \times E,$ (2a)
$E' = \nabla \times B - 4\pi j,$ (2b)

$$\oint_C E \cdot d\ell = -\frac{d}{dt}\int_S B_n dA \tag{3}$$

Figure 1: Maxwell's equation - Faraday's law

$$\forall x \in X, \quad \exists y \leq \epsilon \tag{4}$$

$\oint_C E \cdot d\ell = -\frac{d}{dt}\int_S B_n dA$ (3)
Figure 1: Maxwell's equation - Faraday's law
$\forall x \in X, \quad \exists y \leq \epsilon$ (4)

Walter Subject
Presentation Title
Presentation Subtitle
Intro
Content
References
Textual
Formulas
Illustrations
Tables
Outro
Appendix

Demonstration - Figures

Figure 2: © 2018 Scott Adams, `dilbert.com`

Walter Subject
Presentation Title
Presentation Subtitle
Intro
Content
References
Textual
Formulas
Illustrations
Tables
Outro
Appendix

Demonstration - Figures

Figure 2: © 2018 Scott Adams, dilbert.com

Demonstration - Figures

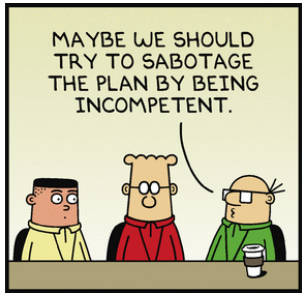


Figure 2: © 2018 Scott Adams, `dilbert.com`

Walter Subject
Presentation Title
Presentation Subtitle
Intro
Content
References
Textual
Formulas
Illustrations
Tables
Outro
Appendix

Demonstration - Figures

Figure 2: © 2018 Scott Adams, dilbert.com

Demonstration - Figures

Figure 2: © 2018 Scott Adams, `dilbert.com`

Walter Subject
Presentation Title
Presentation Subtitle
Intro
Content
References
Textual
Formulas
Illustrations
Tables
Outro
Appendix

Demonstration - Figures

Figure 2: © 2018 Scott Adams, dilbert.com

Demonstration - Figures

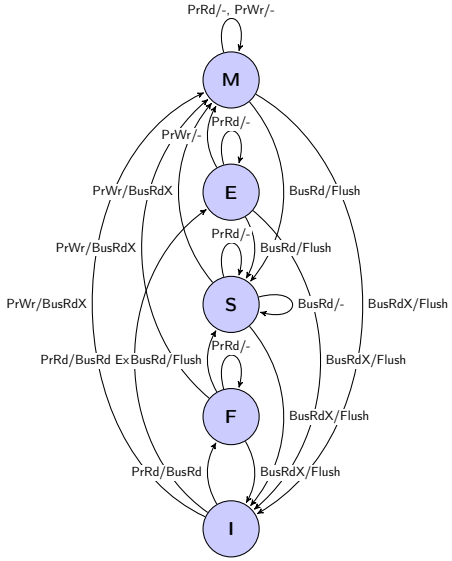


Figure 3: MESIF protocol, © Marek Fiser, marekfiser.cz

Walter Subject
Presentation Title
Presentation Subtitle
Intro
Content
References
Textual
Formulas
Illustrations
Tables
Outro
Appendix

Demonstration - Figures

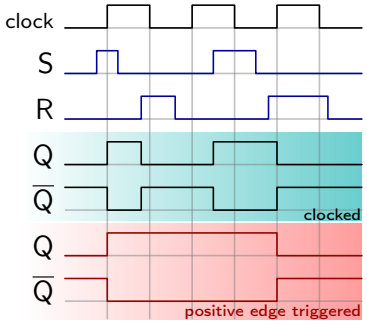


Figure 4: SR flip-flop timing diagram (package: `timingtable`)

Walter Subject
Presentation Title
Presentation Subtitle
Intro
Content
References
Textual
Formulas
Illustrations
Tables
Outro
Appendix

Demonstration - Figures

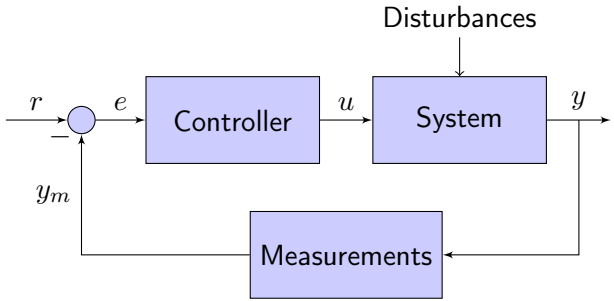


Figure 5: Control system principle, texample.net

Walter Subject
Presentation Title
Presentation Subtitle
Intro
Content
References
Textual
Formulas
Illustrations
Tables
Outro
Appendix

Demonstration - Listings

```c
#include <stdio.h>
#include <stdlib.h>

int main(int argc, char *argv[]) {

    // Print to terminal
    printf("Hello World\n");

    return EXIT_SUCCESS;
}
```

Listing 1: C Syntax Highlighting

Demonstration - Listings

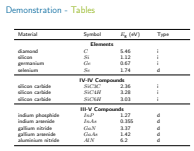
Listing 1: C Syntax Highlighting

Walter Subject
Presentation Title
Presentation Subtitle
Intro
Content
References
Textual
Formulas
Illustrations
Tables
Outro
Appendix

Demonstration - Tables

Material	Symbol	E_g (eV)	Type
	Elements		
diamond	C	5.46	i
silicon	Si	1.12	i
germanium	Ge	0.67	i
selenium	Se	1.74	d
	IV-IV Compounds		
silicon carbide	$SiC3C$	2.36	i
silicon carbide	$SiC4H$	3.28	i
silicon carbide	$SiC6H$	3.03	i
	III-V Compounds		
indium phosphide	InP	1.27	d
indium arsenide	$InAs$	0.355	d
gallium nitride	GaN	3.37	d
gallium arsenide	$GaAs$	1.42	d
aluminium nitride	AlN	6.2	d

Table 1: The bandgab of some semiconductors.



Walter Subject
Presentation Title
Presentation Subtitle
Intro
Content
References
Textual
Formulas
Illustrations
Tables
Outro
Appendix

Demonstration - Tables

Unit name	Unit Symbol	Dimension symbol	Quanitity name	Definition[1]
metre	m	L	length	▪ **Prior** (1793): $^1/_{10\,000\,000}$ of the meridian through Paris between the North Pole and the Equator.[FG] ▪ **Interim** (1960): 1 650 763.73 wavelengths in a vacuum of the radiation corresponding to the transition between the $2p^{10}$ and $5d^5$ quantum levels of the krypton-86 atom. ▪ **Current** (1983): The distance travelled by light in vacuum in $^1/_{299\,792\,458}$ s.
kilogram[2]	kg	M	mass	▪ **Prior** (1793): The grave was defined as being the mass (then called weight) of one litre of pure water at its freezing point.[FG] ▪ **Current** (1889): The mass of a small squat cylinder of ≈47 cm^3 of platinum-iridium alloy kept in the Pavillon de Breteuil, France. Also, in practice, any of numerous official replicas of it. ▪ **Future** (2019): The kg is defined by taking the Planck constant h as exactly $6.626\,070\,15 \times 10^{-34}$ J s ($J = kg\,m^2\,s^{-2}$), given the definitions of the m and the s.
second	s	T	time	▪ **Prior**: $^1/_{86\,400}$ of a day of 24 h of 60 min of 60 s. ▪ **Interim** (1956): $^1/_{31\,556\,925.9747}$ of the tropical year for 1900 January 0 at 12 h ephemeris time. ▪ **Current** (1967): The duration of 9 192 631 770 periods of the radiation corresponding to the transition between the two hyperfine levels of the ground state of the caesium-133 atom.

[1] Interim definitions are given here only when there has been a significant difference in the definition.
[2] Despite the prefix "kilo-", the kilogram is the base unit of mass.
[FG] *French Government* (FG).

Table 2: SI base units

Walter Subject
Presentation Title
Presentation Subtitle
Intro
Content
References
Textual
Formulas
Illustrations
Tables
Outro
Appendix

Demonstration - Tables

Table 2: SI base units

Outro

Intro

Content

References

Textual

Formulas

Illustrations

Tables

Outro

Appendix

Acronyms I

ES	Embedded Systems
FG	French Government
FHTW	Fachhochschule Technikum Wien
SI	International System of Units (Système international (d'unités))
UAS	University of Applied Science

References I

[1] P. Adams, "The title of the work," *The name of the journal*, vol. 4, no. 2, pp. 201–213, 7 1993, an optional note.

[2] P. Babington, *The title of the work*, 3rd ed., ser. 10. The address: The name of the publisher, 7 1993, vol. 4, an optional note.

[3] P. Caxton, "The title of the work," How it was published, The address of the publisher, 7 1993, an optional note.

[4] H. Daniel, *Physik III: Optik, Thermodynamik, Quanten*. DE GRUYTER, jan 1998. [Online]. Available: https://doi.org/10.1515/9783110807066

References I

[1] P. Adams, "The title of the work," *The name of the journal*, vol. 4, no. 2, pp. 201–213, 7 1993, an optional note.

[2] P. Babington, *The title of the work*, 3rd ed., ser. 10. The address: The name of the publisher, 7 1993, vol. 4, an optional note.

[3] P. Caxton, "The title of the work," How it was published, The address of the publisher, 7 1993, an optional note.

[4] H. Daniel, *Physik III: Optik, Thermodynamik, Quanten*. DE GRUYTER, jan 1998. [Online]. Available: https://doi.org/10.1515/9783110807066

References II

[5] A. Einstein, "Zur elektrodynamik bewegter körper," *Annalen der Physik*, vol. 322, no. 10, pp. 891–921, 1905. [Online]. Available: https://doi.org/10.1002/andp.19053221004

[6] M. Goossens, F. Mittelbach, and A. Samarin, *The LaTeX Companion*. Reading, Massachusetts: Addison-Wesley, 1993.

[7] D. Knuth, "Knuth: Computers and typesetting." [Online]. Available: http://www-cs-faculty.stanford.edu/~knuth/abcde.html

[8] E. Pentz, "Crossref monthly newsletter," *CrossRef*, 2004. [Online]. Available: https://doi.org/10.5555/monthly_newsletter

References II

[5] A. Einstein, "Zur elektrodynamik bewegter körper," *Annalen der Physik*, vol. 322, no. 10, pp. 891–921, 1905. [Online]. Available: https://doi.org/10.1002/andp.19053221004

[6] M. Goossens, F. Mittelbach, and A. Samarin, *The LaTeX Companion*. Reading, Massachusetts: Addison-Wesley, 1993.

[7] D. Knuth, "Knuth: Computers and typesetting." [Online]. Available: http://www-cs-faculty.stanford.edu/~knuth/abcde.html

[8] E. Pentz, "Crossref monthly newsletter," *CrossRef*, 2004. [Online]. Available: https://doi.org/10.5555/monthly_newsletter