

# Presentation Title

Ausgeführt von: Robin Forest

Personenkennzeichen: 1234567890

Betreuer: 1<sup>st</sup> Supervisor

2<sup>nd</sup> Supervisor

Vienna, November 26, 2018



2018-11-26

Presentation Title

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2<sup>nd</sup> Supervisor

Vienna, November 26, 2018



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# Introduction

*Embedded Systems (ES)*-style beamer template of UAS  
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Embedded Systems (ES)-style beamer template of UAS  
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- Einstein [5]

- Pentz [8]

- Goossens et al. [6]

- Daniel [4]

- Knuth [7]

- [1, 2, 3]



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- Einstein [5]

- Pentz [8]

- Goossens et al. [6]

- Daniel [4]

- Knuth [7]

- [1, 2, 3]

- One



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1 One



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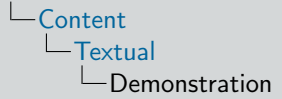
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Bee Biene

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Ant Ameise

Elephant Elefant

Bee Biene

Honey Honig

Ant Ameise

Elephant Elefant

Bee Biene

Honey Honig

# 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.



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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.

# 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.



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Demonstration - Block

This is a block.

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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.

# 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.



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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.

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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.



Figure 1: © 2018 Scott Adams, dilbert.com



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Figure 1: © 2018 Scott Adams, dilbert.com

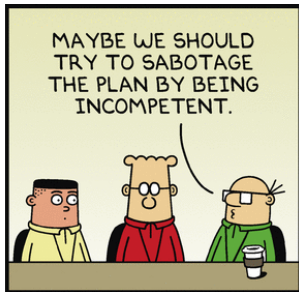


Figure 1: © 2018 Scott Adams, dilbert.com



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Figure 1: © 2018 Scott Adams, dilbert.com





Figure 1: © 2018 Scott Adams, dilbert.com



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Figure 1: © 2018 Scott Adams, dilbert.com

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```
1 #include <stdio.h>
2 #include <stdlib.h>
3
4 int main(int argc, char *argv[]) {
5
6     // Print to terminal
7     printf("Hello World\n");
8
9     return EXIT_SUCCESS;
10 }
```

Listing 1: C Syntax Highlighting

```
1 #include <stdio.h>
2 #include <stdlib.h>
3
4 int main(int argc, char *argv[]) {
5
6     // Print to terminal
7     printf("Hello World\n");
8
9     return EXIT_SUCCESS;
10 }
```

Listing 1: C Syntax Highlighting

# Demonstration - Tables

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

Table 1: The bandgap of some semiconductors.



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gallium arsenide	<i>GaAs</i>	1.42	d
aluminium nitride	<i>AlN</i>	6.2	d

Table 1: The bandgap of some semiconductors.

# Demonstration - Tables

Unit name	Unit Symbol	Dimension symbol	Quantity name	Definition <sup>1</sup>
metre	m	L	length	<ul style="list-style-type: none"> <li>■ <b>Prior</b> (1793): <math>\frac{1}{10\,000\,000}</math> of the meridian through Paris between the North Pole and the Equator.<sup>FG</sup></li> <li>■ <b>Interim</b> (1960): 1650 763.73 wavelengths in a vacuum of the radiation corresponding to the transition between the <math>2p^{10}</math> and <math>5d^5</math> quantum levels of the krypton-86 atom.</li> <li>■ <b>Current</b> (1983): The distance travelled by light in vacuum in <math>\frac{1}{299\,792\,458}</math> s.</li> </ul>
kilogram <sup>2</sup>	kg	M	mass	<ul style="list-style-type: none"> <li>■ <b>Prior</b> (1793): The grave was defined as being the mass (then called weight) of one litre of pure water at its freezing point.<sup>FG</sup></li> <li>■ <b>Current</b> (1889): The mass of a small squat cylinder of <math>\sim 47</math> cm<sup>3</sup> of platinum-iridium alloy kept in the Pavillon de Breteuil, France. Also, in practice, any of numerous official replicas of it.</li> <li>■ <b>Future</b> (2019): The kg is defined by taking the Planck constant <math>h</math> as exactly <math>6.626\,070\,15 \times 10^{-34}</math> J s (<math>J = \text{kg m}^2 \text{s}^{-2}</math>), given the definitions of the m and the s.</li> </ul>
second	s	T	time	<ul style="list-style-type: none"> <li>■ <b>Prior</b>: <math>\frac{1}{86\,400}</math> of a day of 24 h of 60 min of 60 s.</li> <li>■ <b>Interim</b> (1956): <math>\frac{1}{31\,556\,925.9747}</math> of the tropical year for 1900 January 0 at 12 h ephemeris time.</li> <li>■ <b>Current</b> (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.</li> </ul>

<sup>1</sup> Interim definitions are given here only when there has been a significant difference in the definition.

<sup>2</sup> Despite the prefix "kilo-", the kilogram is the base unit of mass.

<sup>FG</sup> French Government (FG).

Table 2: SI base units



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Unit name	Unit Symbol	Dimension symbol	Quantity name	Definition
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kilogram <sup>2</sup>	kg	M	mass	<ul style="list-style-type: none"> <li>■ <b>Prior</b> (1793): The grave was defined as being the mass (then called weight) of one litre of pure water at its freezing point.<sup>FG</sup></li> <li>■ <b>Current</b> (1889): The mass of a small squat cylinder of <math>\sim 47</math> cm<sup>3</sup> of platinum-iridium alloy kept in the Pavillon de Breteuil, France. Also, in practice, any of numerous official replicas of it.</li> <li>■ <b>Future</b> (2019): The kg is defined by taking the Planck constant <math>h</math> as exactly <math>6.626\,070\,15 \times 10^{-34}</math> J s (<math>J = \text{kg m}^2 \text{s}^{-2}</math>), given the definitions of the m and the s.</li> </ul>
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Table 2: SI base units



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Acronyms

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Acronyms

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

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

- [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>



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- [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>

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- [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 L<sup>A</sup>T<sub>E</sub>X Companion*. Reading, Massachusetts: Addison-Wesley, 1993.
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- [6] M. Goossens, F. Mittelbach, and A. Samarin, *The L<sup>A</sup>T<sub>E</sub>X 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](https://doi.org/10.5555/monthly_newsletter)