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Neural Networks - An Overview

Mikael Axelsson
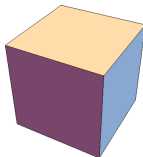
Consid AB

Uppsala, 2018-04-23

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Themes, colors and fonts

- Themes can be changed with the command usetheme.

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- Themes can be changed with the command usetheme. A list of the different themes can be found here.

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- The colors of a theme can be changed with the command `usecolortheme`.

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See the difference in this equation

$$f(x) = x^{2345} \sin(x). \tag{1}$$

Custom colors

You can also define your own colors with the commands `definecolor` and `setbeamercolor`.

Frame number

The frame number can be added to the bottom of the slide
with the command setbeamertemplate{footline}[frame
number].

Foot

Alternative the foot of the presentation can be changed with further options for `setbeamertemplate{footline}`.

With `documentclass[aspectratio=169]{beamer}` you will create slides in 16:9 format.

Table of contents

Where are we?

Although most of the themes have a sidebar with the sections of the presentation, it is still for some people very useful to highlight the upcoming section and its contents.

Where are we?

Although most of the themes have a sidebar with the sections of the presentation, it is still for some people very useful to highlight the upcoming section and its contents. This can be achieved using the command `tableofcontents[currentsection]` just after the section definition.

Columns

Columns can be used in order to separate content.

Some text in the first column. It is important to see here that the content in the columns are aligned to the top. You can choose t,c or b.

Some text the second column.

Embedding images

You may want to use different kind of images like PNG and EPS figures. In order to be able to work with EPS figures you need to adapt your compilation procedure. Here you can see a PNG figure.
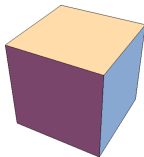
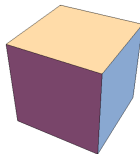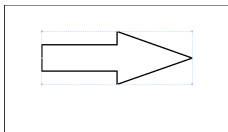For conversion of PNG figures into EPS search in Google for a converter or go here.

Setting a link to a video

You are also able to link videos to the created PDF using the command `movie`.
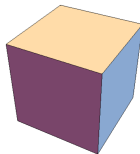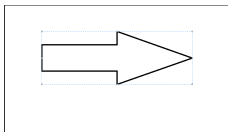
A fantastic explanation on how to convert videos with the completely free VLC player can be found here.

Other attachments

You might also want to show other attached files, e.g., manipulate.

Overlays: pause

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An itemized or enumerated list can be paused at several parts using the command pause, e.g.

Overlays: pause

An itemized or enumerated list can be paused at several parts
using the command pause, e.g.

- first

Overlays: pause

An itemized or enumerated list can be paused at several parts using the command pause, e.g.

- first

- second

Overlays: pause

An itemized or enumerated list can be paused at several parts
using the command pause, e.g.

- first
- second
- third
- fourth

If a more elaborated form has to be presented, use unconver and only. Example:

Description of some concept

More Text.

Overlays: visible, unconver and only

If a more elaborated form has to be presented, use unconver and only. Example:

Description of some concept

1 Point 1

More Text.
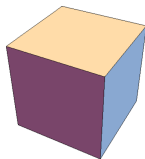
If a more elaborated form has to be presented, use unconver and only. Example:

Description of some concept

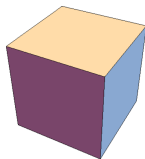1 Point 1

2 Point 2

3 Point 3

More Text.

Overlays: visible, unconver and only

If a more elaborated form has to be presented, use unconver and only. Example:

Description of some concept

1. Point 1
2. Point 2
3. Point 3

More Text.

Overlays: visible, unconver and only

If a more elaborated form has to be presented, use unconver and only. Example:

Description of some concept

1. Point 1
2. Point 2
3. Point 3
4. Point 4

More Text.

Overlays: visible, unconver and only

If a more elaborated form has to be presented, use unconver and only. Example:

Description of some concept

1. Point 1
2. Point 2
3. Point 3
4. Point 4
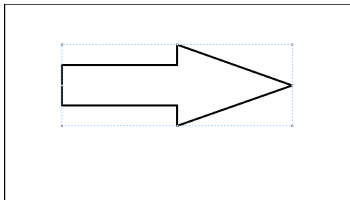
More Text.

Presentation of data

As in the other LaTeX documents you can also use here tables in order to present data.

	bla	ble	bli
first	sdfajfdlk	sdjdklf	djk
second	sfd	fdgdfgds	dfgshgsdfh

Text blocks

You have the possibility to use the environment `block` for separating important content and concepts from the rest of the text.

You have the possibility to use the environment `block` for separating important content and concepts from the rest of the text.

Title of the concept

Description of the concept comes in this region. You are able to define more stuff in this region, e.g. equations

$$a + b = c \qquad (2)$$

and more.

More blocks

Text blocks

More blocks

Definition (Name)

Description

Text blocks

More blocks

Definition (Name)

Description

Theorem (Name)

Description

More blocks

Definition (Name)

Description

Theorem (Name)

Description

Proof.

Proof □

Mathematical content

Of course you are able to create also equations

$$m\ddot{x} = \sum_{i=1}^{n} F_i \quad , \quad \delta H = 0 \quad , \quad x(t) = \int_0^t v(s)ds \qquad (3)$$

separately or in the text $f(x) = x^2$ using the common commands.

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3 Presentation handout
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How to create a handout?

As you could see using the command pause a lot of PDF pages are created. May be you will want to give an handout of your presentation without the pauses. This can be done with the document class option `handout`. This will then ignore all pauses and a "reduced" PDF will be created.