Landmarks Detection by Applying Deep Networks

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Context

Morphometry analysis

- Used to study the complex interaction between the evolution of insect and environmental factors.
- Characterize the common information of biological shape, such as, shape, sizes, or **landmarks**,. . . .

Landmark

- A kind of **point of interest**
- A specific point defined by biologist. For example, intersection of viens on fly wing, the tip of beetle's mandible.

The theme contains 4 source files:

- ► `beamercolorthemeFeather.sty`
- ► `beamerouterthemeFeather.sty`
- ► `beamerinnerthemeFeather.sty`
- ► `beamerthemeFeather.sty`

The theme can be installed for **local** or **global** use.

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Local Installation

- ▶ Local installation is the simplest way of installing the theme.
- ▶ You need to placing the 4 source files in the same folder as your presentation. When you download the theme, the 4 theme files are located in the `local` folder.

Global Installation

- ▶ If you wish to make the theme globally available, you must put the files in your local latex directory tree. The location of the root of the local directory tree depends on your operating system and the latex distribution.
- ▶ Detailed steps on how to proceed installation under various operating systems can be found at Beamer documentation.

For using the Feather Theme you will need the Bemaer class installed and the following 2 packages

- ► TikZ[1]
- ► calc

Due to the fact that the packages are very common they should be included in your latex distribution in the first place.

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[1]TikZ is a package for creating beautiful graphics. Have a look at these online examples or the pgf user manual .

The Presentation Theme

The Feather Theme can be loaded in a familiar way. In the reamble of your `tex` file you must type

`\usetheme[<options>]{Feather}`

The presentation theme loads the inner, outer and color Feather theme files and passes the `<options>` on to these files.

The Inner and Outher Themes

If you wish you can load only the inner, or the outher theme directly by

`\useinnertheme{Feather}` (and it has no options)

`\useoutertheme[<options>]{Feather}` (it has one option)
    `progressstyle={fixedCircCnt or movingCircCnt}`

- ▶ which set how the progress is illustrated;
- ▶ the value `movingCircCnt` is the default.

The Color Theme

Also you can load only the color theme by writing in the preamble of the `tex` file

- \usecolortheme{Feather}

...or to change the colors of the various elements in the theme

- Change the bar colors:
  \setbeamercolor {Feather}{fg=<color>, bg=<color>}

- Change the color of the structural elements:
  \setbeamercolor{structure}{fg=<color>}

- Change the frame title text color:
  \setbeamercolor{frametitle}{fg=<color>}

- Change the normal text color background:
  \setbeamercolor{normal text}{fg=<color>, bg=<color>}

The Feather Background Image

- ▶ In Feather theme, the title page frame and the last frame have the Feather image as the background image.
- ▶ The Feather background image can be produced to any frame by wrating on the begining at the choosen frame the following

```
{\1bg
\begin{frame}[<options>]{Frame Title}{Frame Subtitle}
...
\end{frame}}
```

Thank you for using Feather Beamer Theme!