Hindsight Goal Prioritarization

Final Project

Reinforcement Learning

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Prima frase della slide di introduzione

Seconda frase di introduzione



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PROVA



- Pure DDPG is not suited for multi-goal reinforcement learning with sparse reward
- Since the goal is not fixed, may never get reward 1



Enhancements over pure DDPG:

- Models are aware of the goal
- Failed episodes are also useful for training





• A typical slide has bulleted lists



- A typical slide has bulleted lists
- These can be uncovered in sequence



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Code for a Page with an Itemised List

```
\begin{frame}{Writing a Simple Slide}
  \framesubtitle{It's really easy!}
  \begin{itemize}[<+->]
   \item A typical slide has bulleted lists
  \item These can be uncovered in sequence
  \end{itemize}\end{frame}
```



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Changing Slide Style

- You can select the white or maincolor slide style in the preamble with \themecolor{white} (default) or \themecolor{main}
 - You should not change these within the document: Beamer does not like it
 - If you really must, you may have to add \usebeamercolor[fg] {normal text} in the slide
- You can change the footline colour with \footlinecolor{color}
 - Place the command before a new frame
 - There are four "official" colors: maincolor, sintefyellow, sintefgreen, sintefdarkgreen
 - Default is no footline; you can restore it with \footlinecolor{}
 - Others may work, but no guarantees!
 - Should not be used with the maincolor theme!



Standard Blocks

These have a color coordinated with the footline (and grey in the blue theme)

\begin{block}{title}
content...
\end{block}

Colour Blocks

Similar to the ones on the left, but you pick the colour. Text will be white by default, but you may set it with an optional argument.

\begin{colorblock}[black]{sinteflightgreen}{title}
content...
\end{colorblock}

The "official" colours of colour blocks are: sinteflilla, maincolor, sintefdarkgreen, and

sintefyellow.



Using Colours

- You can use colours with the \textcolor{<color name>}{text} command
- The colours are defined in the sintefcolor package:
 - Primary colours: maincolor and its sidekick sintefgrey
 - Three shades of green: sinteflightgreen, sintefgreen, sintefdarkgreen
 - Additional colours: sintefyellow, sintefred, sinteflilla
 - These may be shaded—see the sintefcolor documentation or the SINTEF profile manual
- Do not abuse colours: \emph{} is usually enough
- Use \alert{} to bring the focus somewhere



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- Do not abuse colours: \emph{} is usually enough
- Use \alert{} to bring the focus somewhere
- If you highlight too much, you don't highlight at all!



Adding images works like in normal LTFX:

Code for Adding Images

\usepackage{graphicx} \includegraphics[width=\textwidth]

{assets/logo RGB}





Splitting in Columns

2 Personalization

Splitting the page is easy and common; typically, one side has a picture and the other text:

This is the first column

And this the second

```
Column Code
\begin{columns}
   \begin{column}{0.6\textwidth}
        This is the first column
    \end{column}
   \begin{column}{0.3\textwidth}
        And this the second
    \end{column}
   % There could be more!
\end{columns}
```



Special Slides

- Chapter slides
- Side-picture slides





Chapter slides

- Similar to frames, but with a few more options
- Opened with \begin{chapter}[<image>]{<color>}{<title>}
- Image is optional, colour and title are mandatory
- There are seven "official" colours: maincolor, sintefdarkgreen, sintefgreen, sinteflightgreen, sintefred, sintefyellow, sinteflilla.
 - Strangely enough, these are more than the official colours for the footline.
 - It may still be a nice touch to change the footline of following slides to the same color of a chapter slide. Your choice.
- Otherwise, chapter behaves just like frame.



Side-Picture Slides

- Opened with \begin{sidepic}{<image>}{<title>}
- Otherwise, sidepic works just like frame





- The paramount task of fonts is being readable
- There are good ones...
 - Use serif fonts only with high-definition projectors
 - Use sans-serif fonts otherwise (or if you simply prefer them)
- ... and not so good ones:
 - Never use monospace for normal text
 - Gothic, calligraphic or weird fonts should always be avoided



- To insert a final slide with the title and final thanks, use \backmatter.
 - The title also appears in footlines along with the author name, you can change this text with \footlinepayoff, check the package code and look for the geometry class.



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- Enough for an introduction! You should know enough by now
- If you have any suggestions or corrections, feel free to contribute on the GitHub repository! You can open an issue or fork the project and directly propose your changes with a Pull Request.



Hindsight Goal Prioritarization Thank you for

listening! Any questions?