Department of Physics, University of Udine

On The Explosion of Large Death Stars

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Outline

Warning

You can ignore this slide if you're **not** working with Overleaf.

Overleaf, Beamer and Biber do not always get along well together. For this reason, if you make a mistake while writing this presentation, in the drop-down error message you'll **always** get Biber-related error messages.

Luckily, you just have to click on "go to first error/warning" and the UI will scroll to the line containing your mistake.

Warning

You can ignore this slide if you're working with Overleaf.

To compile this deck you'll need the `biber` package. Probably your TeXeditor already supports it; if not, you will easily find online the instructions to install it.

If you're not using an editor, you can compile this presentation using the command line by running:

```
$ pdflatex main.tex
$ biber main.bcf
$ pdflatex main.tex
$ pdflatex main.tex
```

For this template we defined four colors, following the Style Manual of the University of Udine:

- `UniOrange`
- `UniBlue`
- `UniBrown`
- `UniGold`

You can use these colors as you want in your presentation. For example, you can **color the text in gold** by writing `\{UniGold}{my gold text}`.

We also redefined many of the most common LaTeX and Beamer commands, like `itemize`, `block`, etc. You will see samples of these commands in the following slides.

Goal of the mission

Shoot in the Death Star's exhaust port and destroy it before the it can fire on the Rebel base.

Take care!

TIE Fighters may chase you while approaching the target.

Use the force you must

Remember your training with Obi-Wan, and use the Force to make the perfect shoot.

This is an example of `itemize`.

- A long time ago in a galaxy far, far away...

And this is an example of `enumerate`.

1. Go to the Death Star.
2. Find the exhaust port.
3. Make the perfect shot.
4. Become an hero.

This is an example of description.

Luke No. No! That's not true! **That's impossible!**

This is an example of `description`.

Vader *I am* your father.

Luke No. No! That's not true! **That's impossible!**

Description

This is an example of description.

Vader *I am* your father.

Luke No. No! That's not true! **That's impossible!**

And while we're here, let's have a look to verbatim as well, to see how we made items appear in arbitrary order:

```
\begin{description}
  \item<2->[This is the first item] one
  \item<1->[This is the second item] two
\end{description}
```

A formula will look like this:

$$x^2 + y^2 = z^2$$

You can number equations as well:

$$1 + 1 = 2 \tag{1}$$

$$1 + 1 = 2 \tag{custom label!}$$

If you want to use the default LaTeX math fonts, just go to
`beamerfontthemeuniud.sty` and uncomment the line
containing '\usefonttheme[onlymath]{serif}'.

Theorems

The usual `theorem`, `corollary`, `definition`, `definitions`, `fact`, `example` and `examples` blocks are available as well.

Theorem

There exists an infinite set.

Proof.

This follows from the axiom of infinity. □

Example (Natural Numbers)

The set of natural numbers is infinite.

Other blocks

Here we display examples of abstract, verse, quotation, and quote.

> ### Abstract
>
> This is an abstract.
>
> *This is a verse.*
>
> > *This is a quotation.*
> >
> > *-Han Solo*
>
> *A quote this is.*
>
> *-Yoda*

You can cite an article

- normally using \cite, e.g.: (Erso 0BBY)
- or display the full citation using \fullcite, e.g.: Galen Erso (0 BBY). "Construction plans of the Death Star 1 Orbital Battle Station". In: *Journal of Horrible Plot Flaws* 2, pp. 1977–2015

Look at the code of the following slide to see how to automatically split the bibliography on many slides. You can also use \nocite{*} to display the non-cited publications as well.

Gial Ackbar (12 ABY). "It's a trap! How to avoid common LaTeX mistakes". In: *Proceedings of the 42nd Intergalactic Conference on Overused Internet Memes*.

Galen Erso (0 BBY). "Construction plans of the Death Star 1 Orbital Battle Station". In: *Journal of Horrible Plot Flaws* 2, pp. 1977–2015.

John Smith (2017a). "A repeated article just to show you a multiple slide bibliography". In: *Proceedings of the First conference on Placeholder Documents*.

– (2017b). "A repeated article just to show you a multiple slide bibliography". In: *Proceedings of the First conference on Placeholder Documents*.

– (2017c). "A repeated article just to show you a multiple slide bibliography". In: *Proceedings of the First conference on Placeholder Documents*.

John Smith (2017d). "A repeated article just to show you a multiple slide bibliography". In: *Proceedings of the First conference on Placeholder Documents*.

Framecard

You can display a frame with a colored background and a huge text in the center using the command \framecard.

For example, you can write:

```
\framecard{A SECTION\\TITLE}
```

This will display a frame with a orange background and the phrase "A SECTION TITTLE" in the center. You can also use a custom color with \framecard:

```
\framecard{A SECTION\\TITLE}
\framecard[UniBlue]{A SECTION TITLE\\
WITH A CUSTOM COLOR}
```

You can see the results of the commands above in the following slides.

A SECTION TITLE

A SECTION TITLE WITH A CUSTOM COLOR

You can display a frame with a background image using the command \framepic. The image will be **adapted vertically** to fit the the frame.
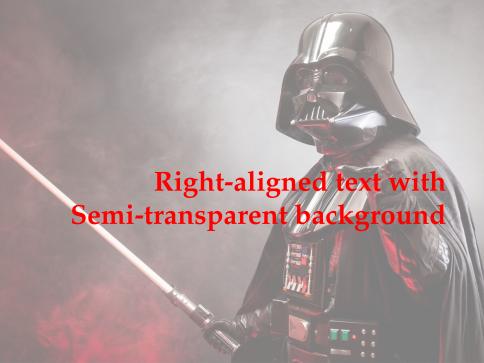For example, you can write:

```
\framepic{graphics/darth}{
\framefill
   \textcolor{white}{Luke,\\I am your supervisor}
   \vskip 0.5cm
}
```

Alternatively, to make the background 50% transparent, you can write \framepic[0.5]{graphics/darth}…
You can see the results of the commands above in the following slides.

Luke,
I am your supervisor

Other bonus commands I

We provide two other bonus commands:

pdfnewline
: you can use \pdfnewline to avoid the annoying hyperref related warnings when using newlines in the document's title, author, etc. For example, in this presentation the author is defined as:

```
\author[Luke Skywalker]{
  Luke Skywalker, Ph.D.
  \pdfnewline
  \texttt{luke.skywalker@uniud.it}
}
```

marker
: you can use \marker to highlight some text. The default color is orange, but you can also use a custom color. For example:

```
\marker{Default color}
\marker[UniBlue]{Custom Color}
```

Other bonus commands II

framefill you can use \framefill to put the text at the bottom of a slide by filling all the vertical space.