Main title

Course Name

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UNIVERSITÀ
CATTOLICA
del Sacro Cuore

Beamer is a LaTeX document class for creating slides for presentations.

Table 1: Beamer vs PowerPoint comparison

	Beamer	PowerPoint
Math	Excellent	Medium
Animations	Good	Basic
Interoparability	Excellent	Good
Hyper Linking	Excellent	Poor
Tipography	Excellent	Good

Metropolis theme provides a number of options, which can be set using a key=value interface.

`\usetheme[option1=value1, ...]{metropolis}`

A list of some options follows:

- `titleformat`
- `sectionpage`

- `background`
- `progressbar`

Newer projectors support a widescreen format such as 16:10 or 16:9 (Beamer default is 4:3) to change it use

`\documentclass[aspectratio=1610]{beamer}`

1. The first item
2. The second item
   2.1 Nested item 1
   2.2 Nested item 2
3. The third item
   - Unnumbered item
   - Unnumbered item

Exercise 1 *Let f be the function*

$$y = log_2(|x|) + \frac{1}{x} \cdot e^{-\frac{1}{2} \cdot x} \tag{1}$$

Plot the function f in the interval $(-4; 4)$.

Blocks

Example

Inline math $y = log_2(|x|) + \frac{1}{x} \cdot e^{-\frac{1}{2} \cdot x}$

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Definition

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The definition of asymptote is . . .

Theorem

A global maximum point is . . . while a local maximum is . . .

If you want to include (R) code in your presentation, please add \begin{frame}[fragile] at the beginning of the slide.

```
f <- function(x) log2(abs(x)) + (1/x) * exp(-1/2*x)

plot(f, -4, 4, main="Exercise 1 Plot")
abline(h=0.32, lty=2)
abline(v=0.0, lty=2)
```
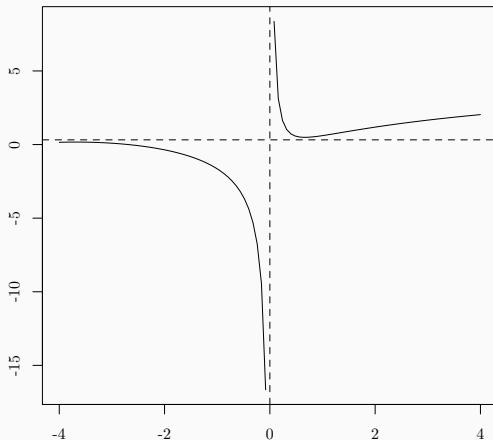
Figure 1: Exercise 1 plot

[1] Bianchi F. (2018). *"UCSC Dissertation Template"*. GitHub.

[2] Bianchi F. (2018). *"UCSC Beamer Template"*. GitHub.

[3] LaTeX team (2015). *"LaTeX2e for authors"*. LaTeX Project.