

Main Title

Thesis Dissertation

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Università Cattolica del Sacro Cuore

M.Sc. in \LaTeX

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UNIVERSITÀ
CATTOLICA
del Sacro Cuore

- Economia
- Economia e Giurisprudenza
- Giurisprudenza
- Lettere e Filosofia
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- Psicologia
- Scienze Agrarie, Alimentari e Ambientali
- Scienze Bancarie, Finanziarie e Assicurative
- Scienze della Formazione
- Scienze Linguistiche e Letterature Straniere
- Scienze Matematiche, Fisiche e Naturali
- Scienze Politiche e Sociali

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

```
\usepackage[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}
```

Exercise 1 *Let f be the function*

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

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

Example

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

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Definition

The definition of asymptote is ...

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Definition

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)
```

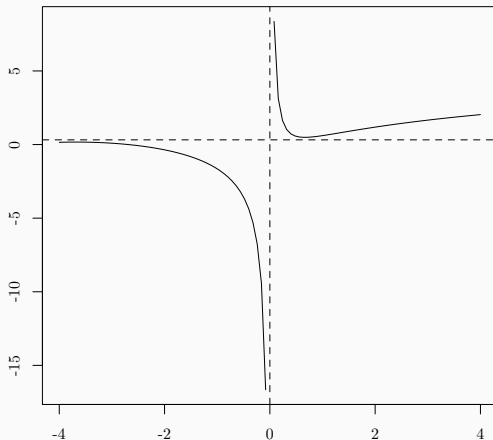



Figure 1: Exercise 1 plot

Table 1: Beamer vs PowerPoint comparison

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

- [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.