



# Distributed Online Convex Optimization for Multi-agent Planning and Control

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# Introduction

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The **metropolis** theme is a Beamer theme with minimal visual noise inspired by the HSRM Beamer Theme by Benjamin Weiss.

Enable the theme by loading

```
\documentclass{beamer}  
\usetheme{metropolis}
```

Note, that you have to have Mozilla's *Fira Sans* font and XeTeX installed to enjoy this wonderful typography.

Sections group slides of the same topic

```
\section{Elements}
```

for which **metropolis** provides a nice progress indicator ...

# Elements

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The theme provides sensible defaults to  
`\emph{emphasize}` text, `\alert{accent}` parts  
or show `\textbf{bold}` results.

becomes

The theme provides sensible defaults to *emphasize* text, **accent** parts or  
show **bold** results.

- Regular
- *Italic*
- SMALL CAPS
- **Bold**
- ***Bold Italic***
- **Bold Small Caps**
- Monospace
- *Monospace Italic*
- Monospace Bold
- *Monospace Bold Italic*



## Items

- Milk
- Eggs
- Potatoes

## Enumerations

1. First,
2. Second and
3. Last.

## Descriptions

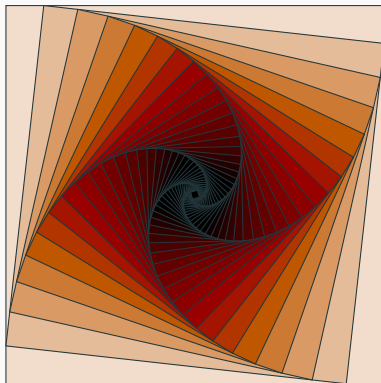
**PowerPoint** Meeh.  
**Beamer** Yeeeha.

- This is important

- This is important
- Now this

- This is important
- Now this
- And now this

- This is really important
- Now this
- And now this



**Figure 1:** Rotated square from texample.net.

**Table 1:** Largest cities in the world (source: Wikipedia)

City	Population
Mexico City	20,116,842
Shanghai	19,210,000
Peking	15,796,450
Istanbul	14,160,467

Three different block environments are pre-defined and may be styled with an optional background color.

## **Default**

Block content.

## **Alert**

Block content.

## **Example**

Block content.

## **Default**

Block content.

## **Alert**

Block content.

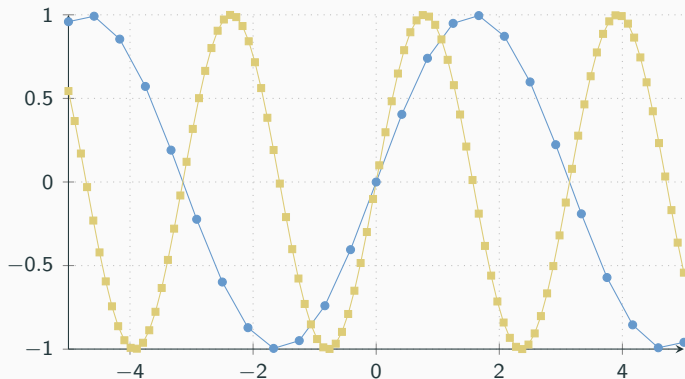
## **Example**

Block content.

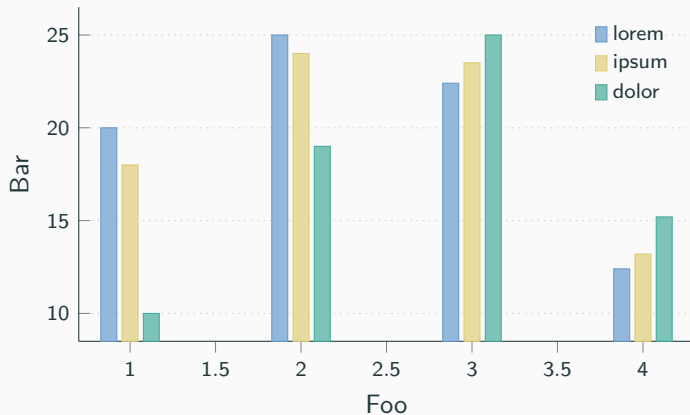


$$e = \lim_{n \rightarrow \infty} \left(1 + \frac{1}{n}\right)^n$$

# Line plots



# Bar charts



*Veni, Vidi, Vici*

**metropolis** defines a custom beamer template to add a text to the footer. It can be set via

```
\setbeamertemplate{frame footer}{My custom footer}
```

Some references to showcase [4, 2, 5, 1, 3]

## Conclusion

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Get the source of this theme and the demo presentation from

`github.com/matze/mtheme`

The theme *itself* is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.





**Questions?**

Sometimes, it is useful to add slides at the end of your presentation to refer to during audience questions.

The best way to do this is to include the `appendixnumberbeamer` package in your preamble and call `\appendix` before your backup slides.

**metropolis** will automatically turn off slide numbering and progress bars for slides in the appendix.



P. Erdős.

**A selection of problems and results in combinatorics.**

*In Recent trends in combinatorics (Matrahaza, 1995), pages 1–6.*  
Cambridge Univ. Press, Cambridge, 1995.



R. Graham, D. Knuth, and O. Patashnik.

***Concrete mathematics.***

Addison-Wesley, Reading, MA, 1989.



G. D. Greenwade.

**The Comprehensive Tex Archive Network (CTAN).**

*TUGBoat*, 14(3):342–351, 1993.



D. Knuth.

**Two notes on notation.**

*Amer. Math. Monthly*, 99:403–422, 1992.



H. Simpson.

**Proof of the Riemann Hypothesis.**

preprint (2003), available at

<http://www.math.drofnats.edu/riemann.ps>, 2003.