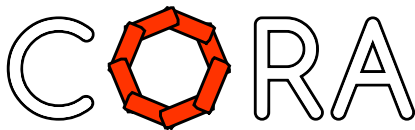


The cora-macs Package

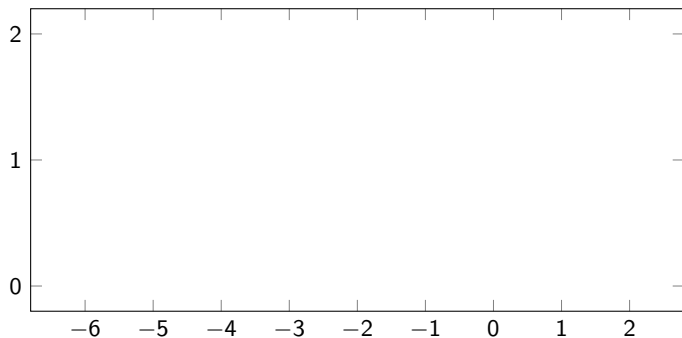
Tobias Ladner, Lukas Koller
TUM - Cyber-Physical Systems Group
tobias.ladner@tum.de, lukas.koller@tum.de

Version: 2024-12-04



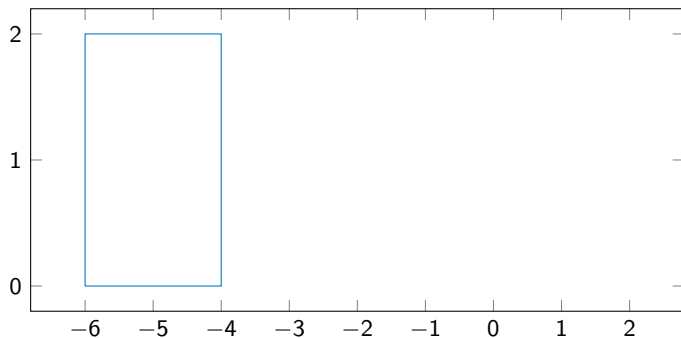
Introduction to CORA

CORA provides you with a wide range of plotting capabilities:



Introduction to CORA

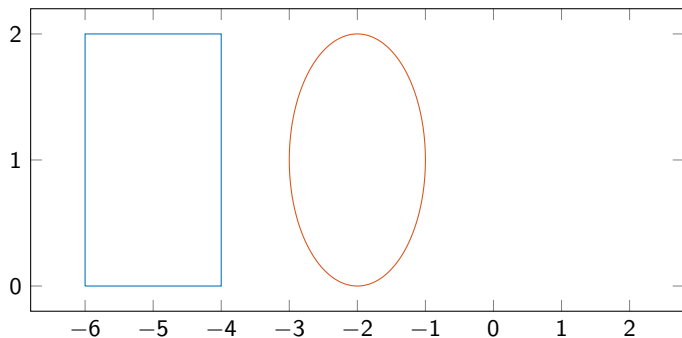
CORA provides you with a wide range of plotting capabilities:



We can plot intervals,

Introduction to CORA

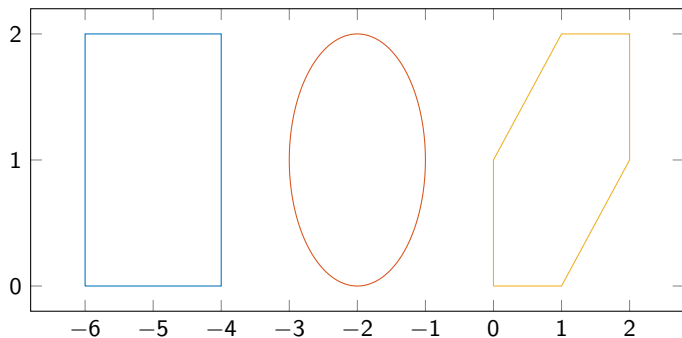
CORA provides you with a wide range of plotting capabilities:



We can plot intervals, ellipsoids,

Introduction to CORA

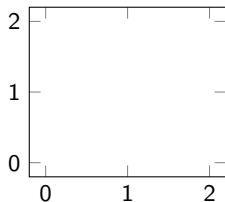
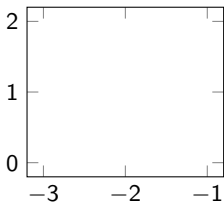
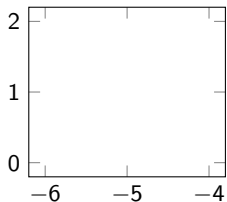
CORA provides you with a wide range of plotting capabilities:



We can plot intervals, ellipsoids, and zonotopes!

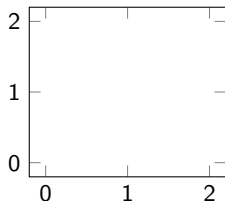
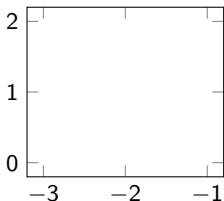
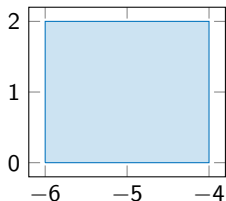
Figures with Multiple Subplots

These animations also work for figures with multiple subplots and one can even get more advanced using the `alt` option:



Figures with Multiple Subplots

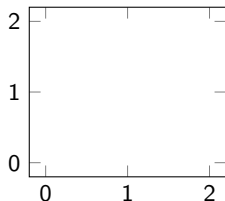
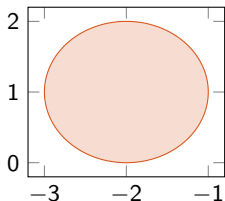
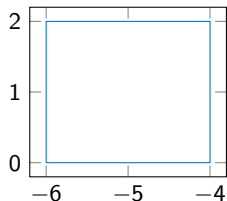
These animations also work for figures with multiple subplots and one can even get more advanced using the `alt` option:



We can plot intervals,

Figures with Multiple Subplots

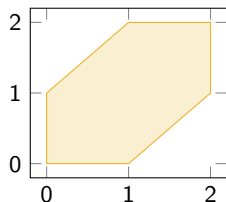
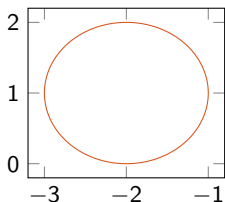
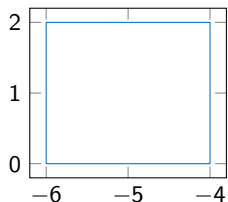
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We can plot intervals, ellipsoids,

Figures with Multiple Subplots

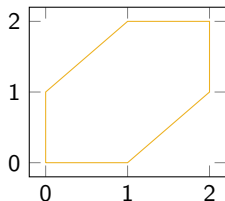
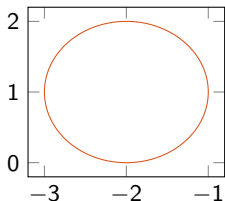
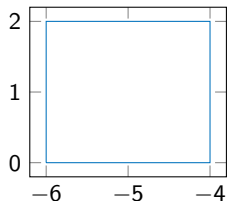
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We can plot intervals, ellipsoids, and zonotopes!

Figures with Multiple Subplots

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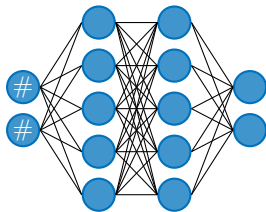
We can plot intervals, ellipsoids, and zonotopes!

Show Information on Specific Overlays

Use `\only` to show text on specific overlays.

Example:

An input is propagated layer by layer through a neural network to compute its output.

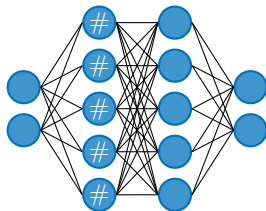


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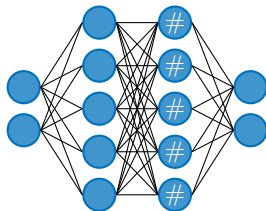


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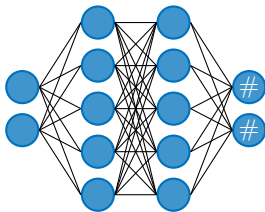


Show Information on Specific Overlays

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Example:

An input is propagated layer by layer through a neural network to compute its output.



Conclusion

We hope this short presentation gave a good overview about the capabilities of the `cora-macs` package to visualize and animate your TikZ figures.

If you have any questions, don't hesitate to contact us.