## **THEOREMA 2.0**

## A Quick Tutorial



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## THE THEOREMA SYSTEM: OVERVIEW

- Theorema is a mathematical assistant system aiming at communication with users in natural style.
- Theorema tries to support as many typical activities of a working mathematician as possible (computation & proving).
- Natural style input: not only formulas but entire documents.
- General focus on automated proving.
- Natural style output: generate proofs in human-readable style.
- Developed on the basis of Mathematica, Theorema code is open source GPL-licensed.
- User Interface: prepare mathematical document + support activities whose results get incorporated into the document.





## SYSTEM DEMO

- Theorema notebooks
- Formula input
- computation with finite objects
- automated proving
- natural-style user interactions

