Seminari Informal
de Matemàtiques de Barcelona

Speaker:	Eloi Torrents.
University:	Universitat Autònoma de Barcelona.
Date:	Wednesday, June 2nd, 2021.
Schedule:	12:00, *virtual coffee break*; 12:20, talk.
Place:	Zoom (the link will be posted on our website).
Language:	English.
Title:	An introduction to theorem provers

Abstract: In this talk, we will introduce proof assistants, pieces of software that formally verify mathematical proofs.Lean has a very extensive database with mathematical results at the undergraduate level formally verified, and it is even used to verify new research. This has several applications, including teaching, automatically verifying publications, and even automated theorem proving. At the end of this talk, we will carry out a demo of Lean to show the basics and how you can get started.

About us: *SIMBa* is a youth mathematics seminar organized by graduate students in the Barcelona area. It is aimed towards graduate and last course undergraduate students. Our goals are divulging the knoweledge from different branches of mathematics for those interested and promote networking between the attendants.

This seminar is backed by the Faculty of Mathematics and Computer Science at Universitat de Barcelona, Faculty of Mathematics and Statistics at Universitat Politècnica de Catalunya, the Department of Mathematics from Univesitat Autònoma de Barcelona, CRM, IMUB and BGSMath.

Fore more information, visit at `www.ub.edu/simba/en/`.

If you have any doubt or comment do not hesitate to contact us by sending an email to *seminari.simba@gmail.com*.