IMSc Public Lecture Series

Monday, 14 March 2022 | 1600 − 1700 IST

Venue: Ramanujan Auditorium, IMSc, Chennai

Livestream: ▶ matsciencechannel

The complexity of formal proofs

Prof. Meena Mahajan (IMSc, Chennai)

A proof of a statement convinces the person/entity addressed that the statement is true. Intuitively, a good proof is short, and easy to verify. A formal proof must convince an automated checking program (that may have limited resources). This talk discusses why we care about formal proofs, how we can design good formal proofs, and situations where we hit a wall.