



Séminaire

Histoire et Philosophie des mathématiques

Lundi, 23 février 2026, 9h30-18h00

Salle 628 (6è étage), bât Olympe de Gouges

Université Paris Cité Place 8 Rue Albert Einstein Paris 75013

Formalisation and deformalisation of mathematical reasoning (in the context of automated theorem proving and beyond)

Org. : Andrei Rodin

Program

9H30 - 10H00

Andrei Rodin (SPHERE, Paris-Cité), *A Long History of Formalisation and Deformalisation in Mathematics* (introductory remark

10h00-10h45

Thierry Coquand (University of Gothenburg), *Dependent type theory and formalisation of mathematics*

10h45-11h00

Coffee break

11h00-11h45

Sergei Artemov (City University of New York), *Non-Compact Proofs*

11h45-12h30

Elijah Gadsby (City University of New York), *Selector Proofs and Hierarchies of Logical Strength*

12h30-14h00

LUNCH

14h00-14h45

Daniel Rogozin (Noeon Research), *Operational Knowledge Representation with Monoidal Categories and Linear Type Theory*

14h45-15h30

Sophie d'Espalungue (IRIF, Paris-Cité), *Foundational Aspects of Size and Dimension in Higher Categorical Structures*

15h30-15h45

Coffee break

15h45-16h30

Paul-André Melliès (CNRS, Université Paris Cité, INRIA), *A la Recherche du Flux Logique et Linguistique*

16h30-18h00

Round Table



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