

RÉSUMÉS DES EXPOSÉS

SLAAG - 17 FÉVRIER 2026

Vincent Bagayoko : *A formal Lie correspondence*

I will present a version of the Lie correspondence that extends the Mal'cev-Lazard correspondence between nilpotent uniquely divisible groups and nilpotent rational Lie algebras. Its scope is large enough to capture all purely formal correspondences between "infinitesimal-like" or "nilpotent-like" torsion-free objects while taking place in complete and cocomplete categories. I will give applications to the universal first-order theories of the objects of the correspondence, and to certain questions regarding composition, derivation and substitution in transseries.