

Vladimir Dotsenko

(Université de Strasbourg)

*Diamond Lemma from its inception
to the present days*



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*Jeudi 10
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17h00-18h00
à distance*

I shall talk about the beautiful result that underpins many different topics in mathematics and theoretical computer science, known to many people as the Diamond Lemma. I shall briefly discuss its origins, and then focus on its ubiquity in algebra, giving an extensive historical overview of the algebraic Diamond Lemma, some of its applications, and an outline of new proof (joint with P. Tamaroff) using multiplicative free resolutions of monomial algebras.