



富山大学
理学部

Faculty of Science
University of Toyama

2026年度 第1回 数学談話会

【日時】 2026年 4月 20日 (月) 16:30 ~ 17:30

【場所】 富山大学理学部 B棟 1階 B121室

【講演者】 Lucas Buzaglo 氏 (UC San Diego 大学)

【講演題目】 Classifying subalgebras

of Lie algebras of vector fields

【講演概要】

I will describe my ongoing work on understanding the subalgebra structure of Lie algebras of vector fields. In particular, in joint work with Jason Bell and Colin Ingalls, we have developed a good understanding of subalgebras of vector fields on curves.

The motivation for this work comes from the fact that vector field algebras are an important class of infinite-dimensional Lie algebras, a topic that has recently seen a strong resurgence of interest. More precisely, we are interested in the long-standing conjecture that the enveloping algebra of an infinite-dimensional Lie algebra is always non-noetherian.

Our work yields some interesting consequences in this direction, providing evidence in support of this conjecture.

*16時よりお茶を準備してお待ちしております。

