SEMINARIO

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Gluing and cylinders

Abstract: We will show how we glue two monomial curves A and B to get a monomial curve C. This notion of gluing due to Delorme and Rosales arose from a generalization of the well known structure theorems for space monomial curves. Then we use mapping cylinders to build the resolution of C from those of A and B. This explicit construction then yields many formulae for the invariants of C in terms of the invariants of A and B.

This is joint work with Philippe Gimenez.

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