Triangular curves

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SUMMARY

In this talk, given d at least three we present Zariski tuples of curves parametrized by the d-roots of unity (up to conjugation). Moreover, these examples include arithmetic Zariski tuples associated with any cyclotomic polynomial of d-roots of unity. If d is at least 4, the fundamental groups of the complements are always abelian. Some open questions will be presented. It is a joint work with J.I. Cogolludo and J. Martn-Morales.

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