



SEMINARIO DE ÁLGEBRA

The congruence subgroup problem for some weakly branch groups

Theo A. D. Zapata

University of Brasilia

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Abstract.

Focusing on the Brunner-Sidki-Vieira group and the Basilica group, we shall explain how to use profinite groups to solve the congruence subgroup problem for certain self-similar groups generated by automata; a detailed description of the congruence kernel will be given.

Despite being a report on a one-year post-doctoral research, developed at U. Porto with F. Zapata (MAT-UnB), this talk will be a colloquium (hence suitable to a general audience).