Computing class groups by induction with generalised norm relations

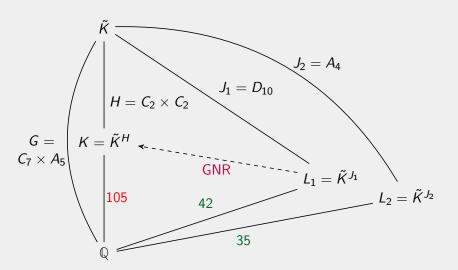
ETIENNE Fabrice



University of Bordeaux, France

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Computing class groups



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Implementation

For K of degree $d_K=105$ and discriminant $\Delta_K=2^{126}\cdot 29^{90}\cdot 67^{42}\simeq 1.7\cdot 10^{246}$ I compute Cl(K) in less than five days!

more details here!



https://www.math.u-bordeaux.fr/~fetienne002/article_class_group.pdf

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