

# Elliptic curves and “hard” number theoretical problems

(G. Cornelissen)

In this seminar I will treat a combination of

*Complexity of undecidable formulae in the rationals and inertial Zsigmondy theorems for elliptic curves* (with Karim Zahidi), 31 pages, preprint 2004, [math.NT/0412473](#).

and recent work of one of my graduate students (Marco Streng) about elliptic divisibility sequences with complex multiplication. A presentation on this subject can be found at

<http://www.math.uu.nl/people/cornelis/lectures.html> (item 4 and 5).