

# Complexity Theory

VU 181.142, SS 2014

## Optional Reading Assignment 3

Name: N.N.  
Matr-Nr: xxxxxxxx  
Begin: 17 June, 2014  
Submission Deadline: 1 July, 2014  
send to: [complexity@dbai.tuwien.ac.at](mailto:complexity@dbai.tuwien.ac.at)  
Maximum credits: 5

**Task.** Write a report (ca. 2 pages) on the following paper

Nadia Creignou, Reinhard Pichler, Stefan Woltran:  
Do Hard SAT-Related Reasoning Tasks Become Easier in the Krom  
Fragment?  
Proceedings of IJCAI 2013: 824-831 (2013).  
<http://ijcai.org/papers13/Papers/IJCAI13-128.pdf>

The report should contain

- a short summary: the main results, the main ideas, motivation for this paper
- Things you do not quite understand in this paper, and the reason why (for instance, extra knowledge on . . . required)
- Things you liked about the paper (if any)
- Things you did not like about the paper (if any)

You are not expected to understand every detail of the paper. Try to understand the “big picture” (i.e., main results, main ideas, motivation – as mentioned above).