

I co-authored the paper

- [B] Lorenzo Clemente, Sławomir Lasota, Ranko Lazić, and Filip Mazowiecki. *Timed pushdown automata and branching vector addition systems*. In Proc. of LICS'17, pages 1–12.

The main motivation of the paper is the study of timed-register pushdown automata, which was proposed by L. Clemente and S. Lasota. The proposal of using set-integer equations (Sec. III), their equivalence with timed-register pushdown automata (Sec. IV and V) is by L. Clemente and S. Lasota. The idea of reducing pushdown automata/equations to branching VAS (Sec. VI and VII) is by L. Clemente and S. Lasota. The solution of branching VAS in ExpTime (Sec. VIII) was done by me, in collaboration with R. Lazić. L. Clemente and S. Lasota wrote most of Sec. II–V and VII, while I wrote Sec. VI and VIII, in collaboration with R. Lazić. R. Lazić wrote the introduction. All authors contributed comparably to proofreading of the whole manuscript. My estimated total contribution is around 25%.