

# Accepted Manuscript

Constructing small tree grammars and small circuits for formulas

Moses Ganardi, Danny Hucke, Markus Lohrey, Eric Noeth, Artur Jež

PII: S0022-0000(16)30137-4  
DOI: <http://dx.doi.org/10.1016/j.jcss.2016.12.007>  
Reference: YJCSS 3052

To appear in: *Journal of Computer and System Sciences*

Received date: 24 August 2015  
Revised date: 11 June 2016  
Accepted date: 20 December 2016

Please cite this article in press as: M. Ganardi et al., Constructing small tree grammars and small circuits for formulas, *J. Comput. Syst. Sci.* (2016), <http://dx.doi.org/10.1016/j.jcss.2016.12.007>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



## Highlights

- A grammar-based tree compressor based on BISECTION is developed.
- The output grammar has size  $O(n/\log n)$ , where  $n$  is the size of the input tree.
- A logspace as well as a linear time implementation is presented.

Download English Version:

<https://daneshyari.com/en/article/4951180>

Download Persian Version:

<https://daneshyari.com/article/4951180>

[Daneshyari.com](https://daneshyari.com)