

BRANCHES IN BUCKET RECURSIVE TREES WITH VARIABLE CAPACITIES OF BUCKETS

Journal: *University Politehnica of Bucharest Scientific Bulletin-Series A-Applied Mathematics and Physics (U.P.B. Sci. Bull., Series A)*

Author(s): Ramin Kazemi

Abstract: Bucket recursive trees with variable capacities of buckets (BRT-VCB) introduced by Kazemi (2012). In this paper, we study the random variable which counts the number of branches of size a attached to the bucket containing label j in a BRT-VCB of size n (the number of subtrees of size a rooted at the children of bucket containing label j).

Key words: BRT-VCB, branches, limiting distribution, joint distribution.

Vol: 77 (1)

Pages: 109-114

Year: 2015

Publisher: University POLITEHNICA of Bucharest (80 years of existence)

ISSN: 1223-7027

Indexing and Abstracting: ISI (IF(2014)=0.28), SCOPUS, MATHEMATICAL REVIEW, ZENTRALBLATT FUR MATHEMATIK, ENGINEERING VILLAGE, CURRENT MATHEMATICAL PUBLICATIONS, COMPENDEX, METADEX, CAMBRIDGE SCIENTIFIC ABSTRACTS.

Link: <http://www.scientificbulletin.upb.ro/index.php>