

**Tsukiji, T.; Mahmoud, H.**

**A limit law for outputs in random recursive circuits.** (English) Zbl 0989.68107  
*Algorithmica* 31, No. 3, 403-412 (2001).

**Summary:** We study the structure of uniform random binary recursive circuits. We show that a suitably normalized version of the number of outputs converges in distribution to a normal random variate. We also discuss the connection of the number of outputs to a non-classical urn model, and our investigation provides a first solved instance of this new class of urns.

**MSC:**

**68R10** Graph theory (including graph drawing) in computer science  
**68W35** Hardware implementations of nonnumerical algorithms (VLSI algorithms, etc.)

Cited in **1** Review  
Cited in **14** Documents

**Keywords:**

[uniform random binary recursive circuits](#)

**Full Text:** [DOI](#)