

# Cache Oblivious B-trees

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## ABSTRACT

Fill me in

## 1. INTRODUCTION

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### 1.1 External Memory Algorithms

### 1.2 B-trees

### 1.3 CO vs CA

### 1.4 CO B-trees

## 2. BACKGROUND

### 2.1 Original CO B-trees

### 2.2 Structure

### 2.3 Layout

### 2.4 Complexity

### 2.5 Operations

## 3. VARIABLE LENGTH STRINGS

### 3.1 Description

### 3.2 Operators

### 3.3 Complexity

## 4. STREAMING B-TREES

### 4.1 Description

### 4.2 Operators

### 4.3 Complexity

## 5. CONCURRENCY

### 5.1 Description

### 5.2 Operators

### 5.3 Complexity

## 6. ACKNOWLEDGMENTS

Thanks Karger

## 7. REFERENCES

- [1] M. A. Bender, M. Farach-Colton, J. T. Fineman, Y. Fogel, B. Kuszmaul, and J. Nelson. Cache-oblivious streaming b-trees. In *Proceedings of the Nineteenth ACM Symposium on Parallelism in Algorithms and Architectures*, pages 81–92, San Diego, CA, USA, June 9–11 2007.