

# Adaptive Indexing: Fundamental and Hybrid Approaches

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**Abstract—What did I do in a nutshell?**

## I. INTRODUCTION

Motivation. Main Idea. Goal. Structure of the paper.

## II. BACKGROUND

Idea of adaptive indexing. First approaches.

## III. DATABASE CRACKING

### A. Introduction

Short description of method

### B. Strength of Database Cracking

Small overhead + further advantages

### C. Weakness of Database Cracking

Slow convergence + further disadvantages

## IV. ADAPTIVE MERGING

### A. Introduction

Short description of method

### B. Strength of Adaptive Merging

Fast convergence + further advantages

### C. Weakness of Adaptive Merging

Big overhead + further disadvantages

## V. HYBRID APPROACHES

### A. Strategies for designing hybrid approach

Idea of perfect hybrid. Combination options. Further subsection need to be added.

## VI. EVALUATION

Point out complementary nature of cracking and merging. Compare to other hybrid approaches. Speculate on future and usage of the methods

## VII. RELATED WORK

Some research on related work has to be done.

## VIII. CONCLUSIONS

What did I find out?

## IX. DISCUSSION

What does it mean?

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