

Data structure inference based on source code

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Abstract

1 Introduction

2 Data structure inference

2.1 Example imperative language

2.2 The framework

3 Extensions of the idea

3.1 Big load

3.2 Data structure modifications

max elem cache

3.3 Linked data structures

keeping records

3.4 Transforming datastructures on-line

what it said

3.5 Upper bound on the element count

so we can choose between malloc and static allocation

3.6 Outer-world input

4 Program

4.1 Recommendation mode

prints recommendations

4.2 Advice mode

prints advice

4.3 Compile mode

linkes appropriate lib