

AHA: Amortized Heap Space Usage Analysis

– Project Paper –

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Abstract

This paper introduces **AHA**, an NWO-funded¹ 344K Euro research project involving research into an amortized analysis of heap-space usage by functional and imperative programs. Amortized analysis is a promising technique that can significantly improve on simply summing worst case bounds. The project seeks to apply this technique to obtain non-linear bounds on heap-space usage for lazy functional languages and to adapt the results for imperative languages.

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