

International Conference on Automated

Software Engineering, Urbana-Champaign,

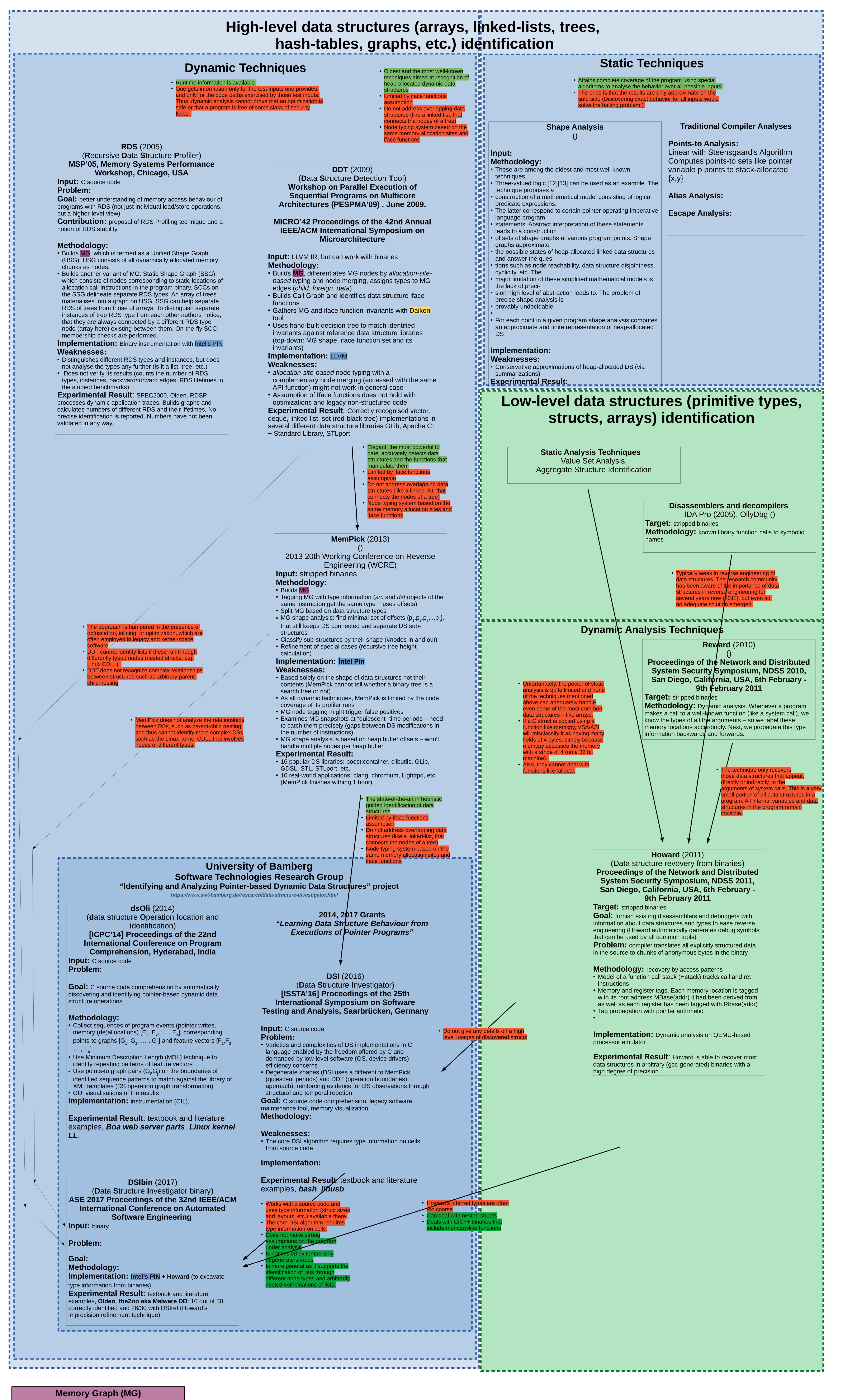
IL, USA

Methodology:

Implementation:

Experimental Result:

Nodes: add new nodes to the graph on dynamic memory allocations, remove graph nodes on deallocations Edges: store instructions (with destination and source operands being addresses pointing to locations withing previously allocated memory nodes/NULL values) create/remove MG edges **Limitations:** Composite data structures (like array of binary trees) chunk up in the single graph and are hard to distinguish, data structure overlays suffer from the same problem Multiple data structure nodes allocated in the same memory chunk are undistinguishable • Graphs evolve during a program execution, data structure manipulation operations break graph invariant properties



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