

EDD: A Declarative Debugger for Sequential Erlang Programs (High-level Work)*

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Declarative debuggers are semi-automatic debugging tools that abstract the execution details to focus on the program semantics. This paper presents a tool implementing this approach for the sequential subset of Erlang, a functional language with dynamic typing and strict evaluation. Given an erroneous computation, it first detects an erroneous function (either a “named” function or a lambda-abstraction), and then continues the process to identify the fragment of the function responsible for the error. Among its features it includes support for exceptions, predefined and built-in functions, higher-order functions, and trusting and undo commands.

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