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The Halting Problem

There is no test procedure for halting of arbitrary procedures. The Halting Problem is not decidable by computational procedures

Albert R Meyer, March 4, 2015

halting.5

























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The Type-checking Problem

H solves the Halting Problem, a contradiction. So C must not error check correctly.

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No run-time properties are decidable

The same reasoning shows that there is no perfect checker for essentially any property of procedure outcomes.

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