# Fin

*Take nothing on its looks; take everything on evidence.*
*There's no better rule.*

Charles Dickens

# Program Repair via Semantic Analysis

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August 28th, 2013

Program repair via semantic Analysis.

*Bug fixing continues to be a mostly manual, time consuming, and therefore expensive activity in software development.*

Hoang Duong Thien Nguyen et al.

Simplified Java clone of "SemFix: Program Repair via Semantic Analysis" Hoang Duong Thien Nguyen, Dawei Qi, Abhik Roychoudhury, and Satish Chandra

SemFix: Program Repair via Semantic Analysis
Hoang Duong Thien Nguyen, Dawei Qi, Abhik Roychoudhury, and
Satish Chandra

GenProg: A Generic Method for Automatic Software Repair
Claire Le Goues, ThanhVu Nguyen, Stephanie Forrest, Westley
Weimer

ClearView, AutoFix-E, Gopinath et al, Pachika.

Unwillingness to share code.

Resources (time, code monkeys, knowledge, tools, etc.).

# Contributions

Seeded and wild bugs.

Generated patches vs. reality.