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| Case study | Chang-2010-CHI,  Li, 2010, CHI,  Lin, 2014, TSE  **Amalfitano, 2014, WISE**  Feng, 2016, ASE  Bao, 2017, EMSE |
| Comparison against different versions of the input program | Chang-2010-CHI  Mahajan, 2016, ICST |
| Accuracy Measures (Precision, Recall, Fault Detection Measures) | Choudhary, 2010, ICSM  Choudhary, 2012, ICST  Choudhary, 2013, ICSE  Lin, 2014, TSE  Nguyen, 2015, ASE  Mahajan, 2015, ICST  Hori, 2015, SEKE  Feng, 2016, ASE  Patric, 2016, ASE  Wan, 2017, STVR  He, 2016, ICWS  Bao, 2017, EMSE  Chen, 2017, IUI  Reiss, 2018, ASEj  Kıraç, 2018, JSS  Bajammal, 2018, ICST  Kuchta, 2018, EMSE |
| Comparison against manual work | Li, 2010, CHI,  Semenenko,2013,ICSM  Mahajan, 2015, ICST  Feng-2016-ASE  Chen, 2017, IUI  [Leotta, 2018, STVR]  Reiss-2018-ASEj |
| Industry feedback | Li, 2010, CHI,  Mahajan, 2015, ICST  Amalfitano-2014-WISE,  Kuchta, 2018, EMSE |
| No real evaluation/only use case is shown | Delamaro, 2011, STVR  Scharf, 2013, ICSE,  Alégroth, 2013, ICST  Burg, 2015, UIST  Deka, 2016, UIST |
| Comparison to competitors | Alégroth, 2013, ICST  Lin, 2014, TSE  Mahajan, 2016, ICST  Deka, 2017, UIST  He, 2016, ICWS  Zhang, 2017, ASE |
| Comparison on different physical devices | Lin, 2014, TSE |
| Comparison with random/brute force approach | Mahajan, 2014, ASE  Selay, 2014, DICTA  Feng, 2016, ASE  Patric, 2016, ASE |
| Seeded Faults | Mahajan, 2014, ASE  Mahajan, 2015, ICST  Mahajan, 2016, ICST  Patric, 2016, ASE |
| Comparison to original design/output | Nguyen, 2015, ASE  Patric, 2016, ASE  Leotta, 2018, STVR  Bajammal, 2018, ICST  Wan, 2017, STVR [impact in decreasing energy] |
| Time Comparison | Nguyen, 2015, ASE  Selay, 2014, DICTA  Hori, 2015, SEKE  Patric, 2016, ASE  Wan, 2017, STVR  Bao, 2017, EMSE  Reiss, 2018, ASEj  Kıraç, 2018, JSS |
| Manual validation of results | Mahajan, 2015, ICST  Mahajan, 2016, ICST  Kuchta, 2018, EMSE |
| Survey/Interview | Ponzanelli, 2016, ICSE |
| Determinism? | Hori, 2015, SEKE |
| Line/state coverage | Zhang, 2017, ASE  Deka, 2017, UIST |
| Comparison against different given algorithms | [Xu, 2018, TOIT] |