

Checker Framework

|                            | alias     | init      | null      | signedness | taint    |
|----------------------------|-----------|-----------|-----------|------------|----------|
| intra                      | imprecise | accurate  | accurate  | accurate   | accurate |
| inter                      | imprecise | accurate  | accurate  | NA         | NA       |
| reflect method             | unsound   | imprecise | accurate  | NA         | NA       |
| reflect method overload    | unsound   | imprecise | accurate  | NA         | NA       |
| reflect field access       | NA        | imprecise | unsound   | NA         | NA       |
| invoke dynamic virtual     | imprecise | imprecise | accurate  | NA         | NA       |
| invoke dynamic constructor | unsound   | imprecise | unsound   | NA         | NA       |
| invoke dynamic field       | NA        | imprecise | unsound   | NA         | NA       |
| dynamic proxy              | NA        | imprecise | imprecise | NA         | NA       |

FindBugs

|                            | alias   | init     | null     | signedness | taint   |
|----------------------------|---------|----------|----------|------------|---------|
| intra                      | unsound | accurate | accurate | unsound    | unsound |
| inter                      | unsound | unsound  | unsound  | NA         | NA      |
| reflect method             | unsound | unsound  | unsound  | NA         | NA      |
| reflect method overload    | unsound | unsound  | unsound  | NA         | NA      |
| reflect field access       | NA      | unsound  | unsound  | NA         | NA      |
| invoke dynamic virtual     | unsound | unsound  | unsound  | NA         | NA      |
| invoke dynamic constructor | unsound | unsound  | unsound  | NA         | NA      |
| invoke dynamic field       | NA      | unsound  | unsound  | NA         | NA      |
| dynamic proxy              | NA      | unsound  | unsound  | NA         | NA      |

Infer

|                            | alias   | init     | null     | signedness | taint   |
|----------------------------|---------|----------|----------|------------|---------|
| intra                      | unsound | unsound  | accurate | unsound    | unsound |
| inter                      | unsound | unsound  | accurate | NA         | NA      |
| reflect method             | unsound | accurate | unsound  | NA         | NA      |
| reflect method overload    | unsound | accurate | unsound  | NA         | NA      |
| reflect field access       | NA      | unsound  | unsound  | NA         | NA      |
| invoke dynamic virtual     | unsound | unsound  | unsound  | NA         | NA      |
| invoke dynamic constructor | unsound | unsound  | unsound  | NA         | NA      |
| invoke dynamic field       | NA      | unsound  | unsound  | NA         | NA      |
| dynamic proxy              | NA      | accurate | accurate | NA         | NA      |

PMD

|                | alias   | init     | null     | signedness | taint   |
|----------------|---------|----------|----------|------------|---------|
| intra          | unsound | unsound  | accurate | unsound    | unsound |
| inter          | unsound | accurate | unsound  | NA         | NA      |
| reflect method | unsound | unsound  | unsound  | NA         | NA      |

|                            | alias   | init    | null    | signedness | taint |
|----------------------------|---------|---------|---------|------------|-------|
| reflect method overload    | unsound | unsound | unsound | NA         | NA    |
| reflect field access       | NA      | unsound | unsound | NA         | NA    |
| invoke dynamic virtual     | unsound | unsound | unsound | NA         | NA    |
| invoke dynamic constructor | unsound | unsound | unsound | NA         | NA    |
| invoke dynamic field       | NA      | unsound | unsound | NA         | NA    |
| dynamic proxy              | NA      | unsound | unsound | NA         | NA    |