#### Introduction

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Problem

Pseudo-tested Methods

# Automatic Detection of Pseudo-Tested Methods in a Test Suite Using Fault Injection

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#### **Problem**

Introduction

Problem Coverage

Pseudo-teste Methods

How can we know if our test suites are adequate?



## Coverage

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Coverage

Coverage vs

Pseudo-tested Methods

Coverage %

**Def**: % of a system that has been tested.

#### Calculation

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Coverage

Calculation

Coverage vs Adequate Covera

Pseudo-teste Methods

$$\textit{Coverage} = \frac{\textit{NumberofTestedMethods}}{\textit{TotalNumberofMethods}}$$

### High Coverage

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Problem Coverage

Calculation

Coverage vs Adequate Coverage

Pseudo-tested Methods

% := 16

#### Pseudo-tested Methods

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Pseudo-tested Methods

# Pseudo-tested Methods

#### **Definition**

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Pseudo-teste Methods Defintion

What is a Pseudo-tested Method?

**PASSED** 

Def: It will never fail.