**New strategies for making software product line evolution safer**

Impacted Class

Impacted Class False - Negatives

Extended Impacted Class

Extended Impacted Class False – Positives

Evosuite

First we need to write about Impacted Classes Approach

Then, we make a link with its False-Negatives

To solve that, we present Extended Impacted Classes Approach

We have an Approach Variation of that, however both of them produces false-positives

To decrease false-positives we integrated Evosuite to the tool set for checking SPL evolutions.

Masked-change Definition:

Illustrate Real Masked-Change scenarios and explain them

What is the solution for this problem?

Extended impacted class!

How it works? Explain it

We have an Approach Variation! Explain it!

However, this approach produces more false-positives

What is the solution for this second problem?

Evosuite

How it works? Explain it