# Automatic Detection of Pseudo tested Methods using Python and Pytest

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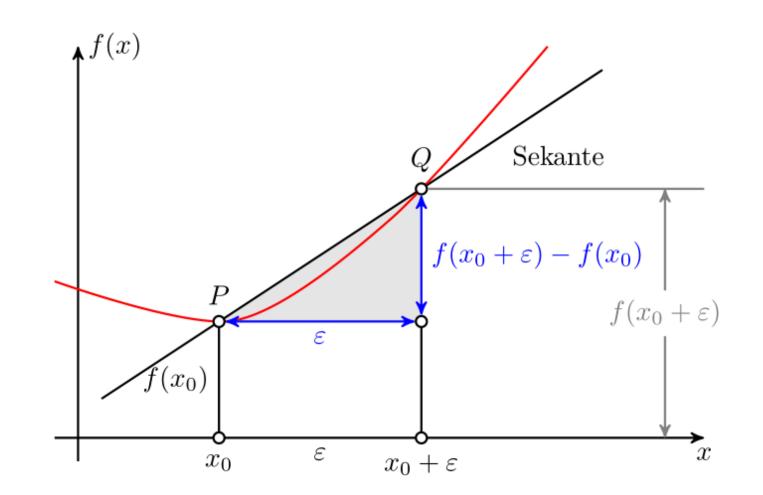
#### Introduction

Here is an itemised list:

- The first item.
- The second item.
- The third item.

# A Diagram

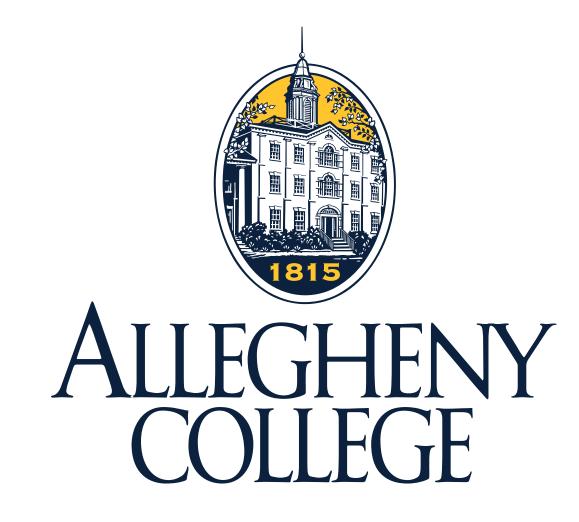
Here is a diagram:



# Fundamental Theorem of Calculus

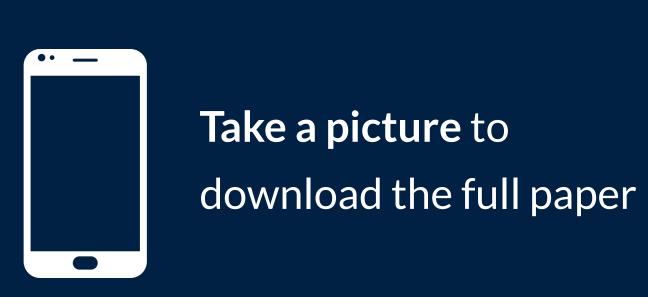
If f is continuous on the closed interval [a, b] and F is the indefinite integral of f on [a, b], then

$$\int_{a}^{b} f(x) \, \mathrm{d}x = F(b) - F(a). \tag{1}$$

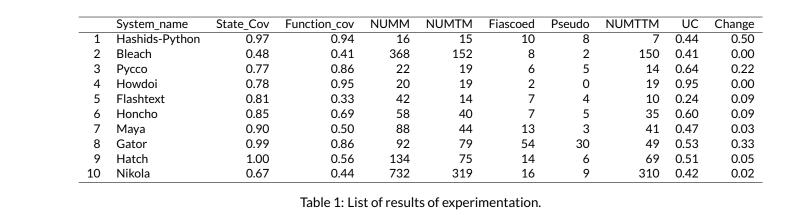


Function-Fiasco, an automatic detection tool, uncovers pseudotested methods in Python based systems.





### Results



Function-Fiasco can successfully detect pseudo-tested methods in Python based systems.

#### **Future Work**

Function-Fiasco has many features that will be implemented which include:

- Further type fuzzing capability
- Parameterized test observation
- Further system evaluation

#### Conclusion

Pseudo-tested methods are an issue that exist in Python based systems. Function-Fiasco has the capability to detect such methods that may lead to unexpected issues.

## **Get Involved**

If you would like to get involved, please feel free to enter bugs into the issue tracker on our github page, or submit a pull request to aid in the implementation.

