



Energy footprint of the Levenshtein distance computing algorithm

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Introduction

Chapter 1

Technical work

1.1 Goal

1.2 Overview

1.3 Algorithm

1.4 Implementation

PowerAPI [1][2]

1.5 Usage

Chapter 2

Evaluation

2.1 Performance

| Language | Execution Time |
|-----------|----------------|
| C | 1 |
| C++ | 1 |
| Go | 1 |
| Haskell | 1 |
| Java | 1 |
| Ocaml | 5m29s |
| Perl (?) | 1 |
| Python | 1 |
| Ruby | 1 |
| Rust | 1 |
| Scala | 45s |
| Smalltalk | 1 |

Figure 2.1: Execution time of the algorithm in the implemented languages

2.2 Ease of use

2.3 Validation

Conclusion

Bibliography

- [1] Inria Spirals Team. Powerapi, a middleware toolkit for software-defined power meters.
<http://powerapi.org>.
- [2] Inria Spirals Team. Powerapi, a middleware toolkit for software-defined power meters.
<https://github.com/Spirals-Team/powerapi>.