Energy footprint of the Levenshtein distance computing algorithm

Author :

Salla DIAGNE

16^{th} JANUARY 2016

Table of contents

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`.