

Povzetek

Diplomsko delo predstavi povezavo med gramatikami, regularnimi izrazi in končnimi avtomati. Povezava med regularnimi izrazi in končnimi avtomati je tudi nazorno prikazana s priloženo aplikacijo.

The thesis presents the connection between grammars, regular expressions and finite automata. It includes an application to clearly show how regular expressions and finite automata are related.

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Ključne besede:

regularni izrazi, končni avtomati, gramatike, grafični prikaz končnih avtomatov

Keywords:

regular expressions, finite automata, grammars, graphical representation of finite automata

Literatura

- [1] Alfred V. Aho and Jeffrey D. Ullman. *The theory of parsing, translation and compiling*. Prentice-Hall, Inc., US, 1972.
- [2] Gaudenz Alder. JGraph. <http://www.jgraph.com>, 2000.
- [3] Erich Gamma, Richard Helm, Ralph Johnson, and John Vlissides. *Design patterns; Elements of reusable object-oriented software*. Addison-Wesley, US, 1995.
- [4] John E. Hopcroft, Rajeev Motwani, and Jeffrey D. Ullman. *Introduction to automata theory, languages and computation*. Addison-Wesley, US, 2001.
- [5] Sun Microsystems. Java 2 platform, standard edition (j2se). <http://java.sun.com>, 2004.
- [6] Wikipedia. Bezier curves. http://en.wikipedia.org/wiki/Bezier_curve, 2001.