Parser-Combinators for Contex-Free Path Querying*

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ABSTRACT

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CCS CONCEPTS

• Computer systems organization → Embedded systems; *Redundancy*; Robotics; • Networks → Network reliability;

KEYWORDS

ACM proceedings, LATEX, text tagging

ACM Reference Format:

Smolina, Ekaterina Verbitskaia, Ilia Kirillov, and Semyon Grigorev. 1997. Parser-Combinators for Contex-Free Path Querying. In *Proceedings of ACM Woodstock conference (WOODSTOCK'97)*, Jennifer B. Sartor, Theo D'Hondt, and Wolfgang De Meuter (Eds.). ACM, New York, NY, USA, Article 4, 2 pages. https://doi.org/10.475/123_4

1 INTRODUCTION

Graph data bases

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Path querying and context-free path querying. Same generation query is not a regular.

Integration with general purpose programming languages. Special DSL vs Combinators (LINQ, etc) [2]

Contribution:

- Combinators for CF path querying with structural representation of result
- Implementation in Scala. Available on gitHub:https://github.com/YaccConstructor/Meerkat
- Evaluation on realistic data, which shows that it is applicable.

2 RELATED WORK

Hellings,etc
Scala combinators for graph [2]
GLL
Meerkat ¹ [1]
etc

3 PARSER-COMBITATORS FOR PATH QUERYING

Based on Meerkat. SPPF Input abstraction Example WTF????

4 EVALUATION

Classical RDFs
Integration with Neo4J
Static code analysis
Comparison with GLL
Comparison with [2]

5 CONCLUSION

We propose and show Future work: SPPF processing Semantics calcualtion

^{*}Produces the permission block, and copyright information

¹https://github.com/meerkat-parser/Meerkat

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