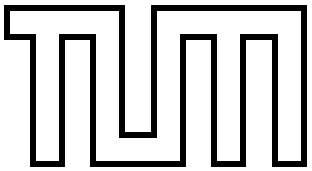

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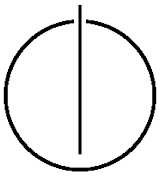

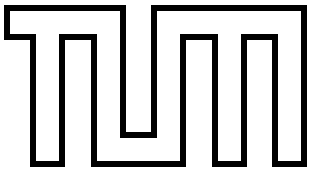

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C++ Unterstützung für MBEDDR

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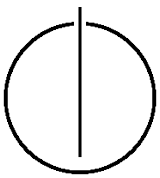

Ich versichere, dass ich diese Diplomarbeit selbständig verfasst und nur die angegebenen Quellen und Hilfsmittel verwendet habe.

München, den 16. September 2013 Zaur Molotnikov

Acknowledgments

If someone contributed to the thesis... might be good to thank them here.

Abstract

An abstracts abstracts the thesis!

Contents

1 Introduction

In embedded programming the C++ programming language is widely spread, [2]. Being a general purpose programming language, C++ does not provide any special support for an embedded systems programmer.

By changing the language itself, together with a tool set for it, it is possible to get a better environment for specifically embedded programming. As an example, a subset of C++, called Embedded C++ can be brought, [1].

2 Foundations

3 Technologies in Use

JetBrains MPS is used.

4 Projectional C++ Implementation

5 Evaluation

6 Conclusion

Appendix

Glossary

JetBrains MPS JetBrains MPS is a language engineering environment allowing to construct incrementally defined domain specific languages. 5

Bibliography

[1] Embedded C++. Official website, http://www.caravan.net/ec2plus/.

[2] VDC Research. Survey on embedded programming languages, http://blog.vdcresearch.com/embedded_sw/2010/09/what-languages-do-you-use-to-develop-software.html.