C++ Template Metaprogramming: Concepts, Tools, and Techniques from Boost and Beyond (C++ In-Depth Series)

Von David Abrahams, Aleksey Gurtovoy
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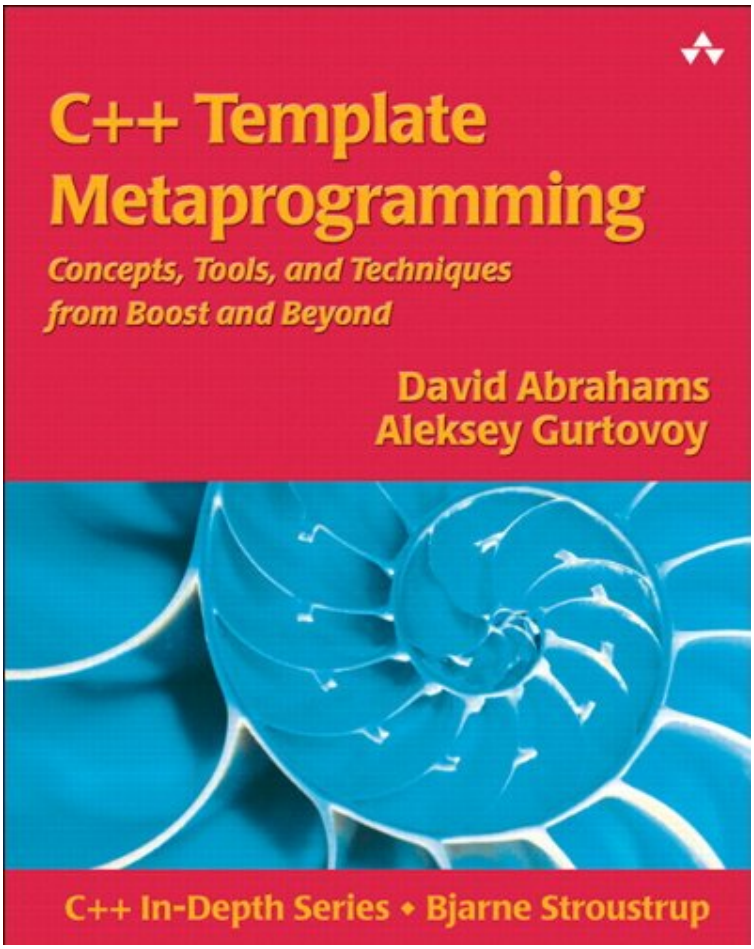

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Von David Abrahams, Aleksey Gurtovoy : C++ Template Metaprogramming: Concepts, Tools, and Techniques from Boost and Beyond (C++ In-Depth Series) before purchasing it in order to gage whether or not it would be worth my time, and all praised C++ Template Metaprogramming: Concepts, Tools, and Techniques from Boost and Beyond (C++ In-Depth Series):

KundenrezensionenHilfreichste Kundenrezensionen20 von 21 Kunden fanden die folgende Rezension hilfreich. Funktionale Programmierung mit C++Von gerhard hoffmannC++ Template Metaprogramming bietet einen recht guten Einstieg fr das Benutzen der MPL, der Metaprogramming Library, die Bestandteil der Boost-Bibliotheken ist: es fllt einige der Lcken auf, die in der Originaldokumentation fehlen. Leider nur einige. Ich htte mir gewnscht, mehr direkt ber die Innereien der Bibliothek zu erfahren. So bleibt einem nichts weiter brig, als in die Quellcodes zu steigen,

was dann dazu fhrt, dass man sich die Prprozessor-Bibliothek der Boost-Suite gleich mit reinziehen kann. Das letzte Drittel des Buches dreht sich dann um den dominierenden Anwendungsfall der Metaprogrammierung: das Schreiben neuer Sprachen innerhalb von C++.Fazit: ob Sie viel von dem Buch haben, hngt stark von Ihrem Vorwissen ab. Ich wrde empfehlen, als Einstieg zunchst "Generative Programming" (Czarnecki,Eisenecker) zur Hand zu nehmen. Grundlegende Kenntnisse der funktionalen Programmierung und des Lamda-Kalkls sind ebenfalls angeraten. Und natrlich sollten Sie mehr als nur Durchschnittskenntnisse in C++ mitbringen.Wenn als das auf Sie zutrifft, werden Sie mit mir vielleicht als Hauptmangel des Buchs festhalten: es ist zu kurz, deshalb nur vier Punkte.

Kurzbeschreibung C++ Template Metaprogramming sheds light on the most powerful idioms of today's C++, at long last delivering practical metaprogramming tools and techniques into the hands of the everyday programmer. A metaprogram is a program that generates or manipulates program code. Ever since generic programming was introduced to C++, programmers have discovered myriad "template tricks" for manipulating programs as they are compiled, effectively eliminating the barrier between program and metaprogram. While excitement among C++ experts about these capabilities has reached the community at large, their practical application remains out of reach for most programmers. This book explains what metaprogramming is and how it is best used. It provides the foundation you'll need to use the template metaprogramming effectively in your own work. This book is aimed at any programmer who is comfortable with idioms of the Standard Template Library (STL). C++ power-users will gain a new insight into their existing work and a new fluency in the domain of metaprogramming. Intermediate-level programmers who have learned a few advanced template techniques will see where these tricks fit in the big picture and will gain the conceptual foundation to use them with discipline. Programmers who have caught the scent of metaprogramming, but for whom it is still mysterious, will finally gain a clear understanding of how, when, and why it works. All readers will leave with a new tool of unprecedented power at their disposalthe Boost Metaprogramming Library. Note: CD materials are only available with the print edition.Kurzbeschreibung C++ Template Metaprogramming sheds light on the most powerful idioms of today's C++, at long last delivering practical metaprogramming tools and techniques into the hands of the everyday programmer. A metaprogram is a program that generates or manipulates program code. 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Serving as a tutorial as well as a handbook for experts, this is the book on C++ template metaprogramming." --Chuck Allison, Editor, The C++ Source C++ Template Metaprogramming sheds light on the most powerful idioms of today's C++, at long last delivering practical metaprogramming tools and techniques into the hands of the everyday programmer. A metaprogram is a program that generates or manipulates program code.Ever since generic programming was introduced to C++, programmers have discovered myriad "template tricks" for manipulating programs as they are compiled, effectively eliminating the barrier between program and metaprogram.While excitement among C++ experts about these capabilities has reached the community at large, their practical application remains out of reach for most programmers. This book explains what metaprogramming is and how it is best used. It provides the foundation you'll need to use the template metaprogramming effectively in your own work. 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