



C++ AMP (Developer Reference)

By Ade Miller, Kate Gregory

Download now

Read Online ➔

C++ AMP (Developer Reference) By Ade Miller, Kate Gregory

Capitalize on the faster GPU processors in today's computers with the C++ AMP code library--and bring massive parallelism to your project. With this practical book, experienced C++ developers will learn parallel programming fundamentals with C++ AMP through detailed examples, code snippets, and case studies. Learn the advantages of parallelism and get best practices for harnessing this technology in your applications.

Discover how to:

- Gain greater code performance using graphics processing units (GPUs)
- Choose accelerators that enable you to write code for GPUs
- Apply thread tiles, tile barriers, and tile static memory
- Debug C++ AMP code with Microsoft Visual Studio®
- Use profiling tools to track the performance of your code

Get code samples on the web

Ready to download at: ampbook.codeplex.com/

For system requirements see the Introduction

 [Download C++ AMP \(Developer Reference\) ...pdf](#)

 [Read Online C++ AMP \(Developer Reference\) ...pdf](#)

C++ AMP (Developer Reference)

By Ade Miller, Kate Gregory

C++ AMP (Developer Reference) By Ade Miller, Kate Gregory

Capitalize on the faster GPU processors in today's computers with the C++ AMP code library--and bring massive parallelism to your project. With this practical book, experienced C++ developers will learn parallel programming fundamentals with C++ AMP through detailed examples, code snippets, and case studies. Learn the advantages of parallelism and get best practices for harnessing this technology in your applications.

Discover how to:

- Gain greater code performance using graphics processing units (GPUs)
- Choose accelerators that enable you to write code for GPUs
- Apply thread tiles, tile barriers, and tile static memory
- Debug C++ AMP code with Microsoft Visual Studio®
- Use profiling tools to track the performance of your code

Get code samples on the web

Ready to download at: ampbook.codeplex.com/

For system requirements see the Introduction

C++ AMP (Developer Reference) By Ade Miller, Kate Gregory Bibliography

- Rank: #291134 in Books
- Brand: Brand: Microsoft Press
- Published on: 2012-09-25
- Original language: English
- Number of items: 1
- Dimensions: 8.90" h x .90" w x 7.40" l, 1.31 pounds
- Binding: Paperback
- 356 pages

 [Download C++ AMP \(Developer Reference\) ...pdf](#)

 [Read Online C++ AMP \(Developer Reference\) ...pdf](#)

Editorial Review

From the Back Cover

Use your knowledge of C++ to take advantage of graphics processing units (GPUs) and other data-parallel hardware--and achieve maximum performance in your applications. Led by two expert C++ programmers, you'll learn GPU programming fundamentals with C++ AMP and get best practices for harnessing this technology.

Discover how to:

- Create applications that run faster using C++ and Microsoft Visual Studio® 2012
- Produce the most dramatic acceleration by modifying your algorithm with tiling
- Debug your parallel code with Microsoft Visual Studio
- Track the performance of your code with profiling tools
- Control how your application uses one or more accelerators to get maximum performance
- Interoperate with the Microsoft DirectX® platform

About the Author

Kate Gregory has been using C++ for over twenty years and is well-known as an instructor, speaker, and author. Managing, mentoring, technical writing, and technical speaking occupy much of her time, but she still writes code every week. Kate is the author of over a dozen books and speaks at DevTeach, TechEd (USA, Europe, Africa and TechDays, among others. Kate is a C++ MVP, a founding sponsor of the Toronto.NET Users Group, the founder of the East of Toronto .NET Users group, and a member of adjunct faculty at Trent University in Peterborough. Since January 2002 she has been Microsoft Regional Director for Toronto and in January 2004 she was awarded the Microsoft Most Valuable Professional designation for Visual C++. In June 2005 she won the Regional Director of the year award and in February 2011 she was designated Visual C++ MVP of the year for 2010. Her firm, Gregory Consulting Limited, is based in rural Ontario and helps clients adopt new technologies and adjust to the changing business environment.

Ade Miller is currently a Principal Software Architect at Microsoft Studios. He has had several roles at Microsoft, including working on big data platforms as Program Manager with the Windows HPC Server team and managing the patterns & practices group's agile engineering teams as their Development Lead. His primary interests are parallel and distributed computing and improving the way teams deliver software through engineering leadership.

He is one of the authors of Parallel Programming with Microsoft .NET and Parallel Programming with Microsoft Visual C++. Ade also writes and speaks about parallel computing and his experiences with agile software development at Microsoft and elsewhere.

Users Review

From reader reviews:

Shawn Jones:

The reserve with title C++ AMP (Developer Reference) contains a lot of information that you can discover it. You can get a lot of profit after read this book. This particular book exist new know-how the information

that exist in this publication represented the condition of the world now. That is important to you to know how the improvement of the world. This kind of book will bring you in new era of the the positive effect. You can read the e-book with your smart phone, so you can read the idea anywhere you want.

Stephen Adams:

As we know that book is significant thing to add our expertise for everything. By a book we can know everything we really wish for. A book is a set of written, printed, illustrated as well as blank sheet. Every year had been exactly added. This e-book C++ AMP (Developer Reference) was filled about science. Spend your extra time to add your knowledge about your technology competence. Some people has diverse feel when they reading a book. If you know how big selling point of a book, you can feel enjoy to read a publication. In the modern era like at this point, many ways to get book that you simply wanted.

Kimberly Towe:

A lot of book has printed but it takes a different approach. You can get it by internet on social media. You can choose the best book for you, science, comedian, novel, or whatever simply by searching from it. It is known as of book C++ AMP (Developer Reference). You can include your knowledge by it. Without making the printed book, it may add your knowledge and make anyone happier to read. It is most essential that, you must aware about book. It can bring you from one location to other place.

Maria Levine:

Reading a guide make you to get more knowledge as a result. You can take knowledge and information from a book. Book is composed or printed or created from each source that will filled update of news. Within this modern era like currently, many ways to get information are available for you actually. From media social including newspaper, magazines, science e-book, encyclopedia, reference book, new and comic. You can add your knowledge by that book. Are you ready to spend your spare time to open your book? Or just in search of the C++ AMP (Developer Reference) when you needed it?

**Download and Read Online C++ AMP (Developer Reference) By
Ade Miller, Kate Gregory #ULGSQHXAR9Z**

Read C++ AMP (Developer Reference) By Ade Miller, Kate Gregory for online ebook

C++ AMP (Developer Reference) By Ade Miller, Kate Gregory Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read C++ AMP (Developer Reference) By Ade Miller, Kate Gregory books to read online.

Online C++ AMP (Developer Reference) By Ade Miller, Kate Gregory ebook PDF download

C++ AMP (Developer Reference) By Ade Miller, Kate Gregory Doc

C++ AMP (Developer Reference) By Ade Miller, Kate Gregory Mobipocket

C++ AMP (Developer Reference) By Ade Miller, Kate Gregory EPub

ULGSQHXAR9Z: C++ AMP (Developer Reference) By Ade Miller, Kate Gregory