



## The Boost Graph Library: User Guide and Reference Manual

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Addison-Wesley Professional, 2001. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Foreword. Preface. I User Guide. 1. Introduction. Some Graph Terminology. Graph Concepts. Vertex and Edge Descriptors. Property Maps. Graph Traversa. Graph Construction and Modification Algorithm Visitors. Graph Classes and Adaptors. Graph Classes. Graph Adaptors. Generic Graph Algorithms. The Topological Sort Generic Algorithm. The Depth-First Search Generic Algorithm. 2.Generic Programming in C++. Introduction. Polymorphism in Object-Oriented Programming. Polymorphism in Generic Programming. Comparison of GP and OOP. Generic Programming and the STL. Concepts and Models. Sets of Requirements. Example: InputIterator. Associated Types and Traits Classes. Associated Types Needed in Function Template. Typedefs Nested in Classes. Definition of a Traits Class. Partial Specialization. Tag Dispatching. Concept Checking. Concept-Checking Classes. Concept Archetypes. The Boost Namespace. Classes. Koenig Lookup. Named Function Parameters. 3. A BGL Tutorial. File Dependencies. Graph Setup. Compilation Order. Topological Sort via DFS. Marking Vertices Using External Properties. Accessing Adjacent Vertices. Traversing All the Vertices. Cyclic Dependencies. Toward a Generic DFS: Visitors. Graph Setup: Internal Properties. Compilation Time. A Generic Topological Sort and DFS. Parallel Compilation Time. Summary. 4. Basic Graph Algorithms. Breadth-First Search. Definitions. Six Degrees of Kevin Bacon. Depth-First Search. Definitions, Finding Loops,

## Reviews

Extensive guide! Its such a excellent read. This can be for anyone who statte that there was not a worth looking at. I am just effortlessly will get a satisfaction of looking at a written publication.

## -- Melvin Hettinger

This book will not be effortless to start on reading through but very exciting to learn. It is amongst the most remarkable book i have got go through. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- Dr. Easton Collier DVM