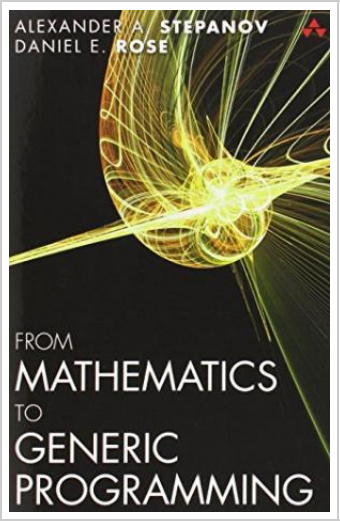

From Mathematics to Generic Programming (Paperback)

By Alexander A. Stepanov, Daniel E. Rose

Pearson Education (US), United States, 2014. Paperback. Condition: New. Language: English . Brand New Book. In this substantive yet accessible book, pioneering software designer Alexander Stepanov and his colleague Daniel Rose illuminate the principles of generic programming and the mathematical concept of abstraction on which it is based, helping you write code that is both simpler and more powerful. If you re a reasonably proficient programmer who can think logically, you have all the background you ll need. Stepanov and Rose introduce the relevant abstract algebra and number theory with exceptional clarity. They carefully explain the problems mathematicians first needed to solve, and then show how these mathematical solutions translate to generic programming and the creation of more effective and elegant code. To demonstrate the crucial role these mathematical principles play in many modern applications, the authors show how to use these results and generalized algorithms to implement a real-world public-key cryptosystem. As you read this book, you ll master the thought processes necessary for effective programming and learn how to generalize narrowly conceived algorithms to widen their usefulness without losing efficiency. You ll also gain deep insight into the value of mathematics to programming-insight that will prove invaluable no...

Reviews

This created publication is wonderful. it absolutely was writtern extremely completely and beneficial. I discovered this publication from my dad and i encouraged this publication to discover.

-- ***Kristina Kshlerin DDS***

Excellent eBook and useful one. It can be rally fascinating throgh looking at period. You can expect to like just how the blogger create this publication.

-- ***Myrl Schmitt***