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In many places,  
inserted text is  
highlighted in red.

Preface p. xx “ all of  
which are useful in  
structuring  
concurrent  
applications. ”

Chapter 1 p. 4 In Fig.  
1.1, line 4 should say  
for (int j = (i \* block) +  
1; j <= (i + 1)\* block;  
j++) { p. 11 p. 18

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About the Authors.  
Maurice Herlihy  
received an A.B. in  
Mathematics from  
Harvard University,  
and a Ph.D. in  
Computer...

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Locks Not

Composable Lock

source Lock target

Unlock source &

target Methods

cannot provide

internal

synchronization

Objects must expose

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locking protocols to  
clients Clients must  
devise and follow  
protocols Abstraction  
broken! 13 Monitor  
Wait and Signal zzz  
Empty buffer

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Exercises and code  
related to ' The Art of  
Multiprocessor  
Programming ' by  
Maurice Herlihy and  
Nir Shavit.

[GitHub - plbpietrz/art  
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The concepts are correct and the theory is good but I cannot accept someone to say is teaching "The art of multiprocessor programming" in Java. Java has very few problems in

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concurrency due to  
simplification. A

much better book is "  
C++ Concurrency in

Action", because C++  
exposes low level

problems in  
concurrency.

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Programming is an outstanding text that will soon become a

classic. I give a chapter by chapter review of it below.

Practitioners that are already well versed in parallel programming can jump directly to Chapter 7, however, I would suggest at least skimming Chapters 2,

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As the computer industry changes from single-processor to multiprocessor architectures, this revolution requires a fundamental change



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in how programs are written. To leverage the performance and power of multiprocessor programming, also known as multicore programming, you need to learn the new principles, algorithms, and tools presented in this book.

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