


[DOWNLOAD](#)


## Complex Differential Geometry

By Fangyang Zheng

American Mathematical Society. Paperback. Book Condition: new. BRAND NEW, Complex Differential Geometry, Fangyang Zheng, The theory of complex manifolds overlaps with several branches of mathematics, including differential geometry, algebraic geometry, several complex variables, global analysis, topology, algebraic number theory, and mathematical physics. Complex manifolds provide a rich class of geometric objects, for example the (common) zero locus of any generic set of complex polynomials is always a complex manifold. Yet complex manifolds behave differently than generic smooth manifolds; they are more coherent and fragile. The rich yet restrictive character of complex manifolds makes them a special and interesting object of study. This book is a self-contained graduate textbook that discusses the differential geometric aspects of complex manifolds. The first part contains standard materials from general topology, differentiable manifolds, and basic Riemannian geometry. The second part discusses complex manifolds and analytic varieties, sheaves and holomorphic vector bundles, and gives a brief account of the surface classification theory, providing readers with some concrete examples of complex manifolds. The last part is the main purpose of the book; in it, the author discusses metrics, connections, curvature, and the various roles they play in the study of complex manifolds. A significant amount of exercises are...



[READ ONLINE](#)  
[ 4.95 MB ]

### Reviews

*A whole new e book with a brand new point of view. I could possibly comprehend every thing using this written e book. Its been written in an extremely simple way which is only soon after i finished reading through this ebook by which actually modified me, change the way in my opinion.*

-- **Marcia McDermott**

*Absolutely essential read book. It is probably the most incredible pdf i have got read through. You will like the way the writer publish this pdf.*

-- **Griffin Hirthe**

## Other Kindle Books



### **Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications .**

Rarebooksclub.com, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the...



### **Readers Clubhouse Set a Nick is Sick**

Barron s Educational Series, United States, 2006. Paperback. Book Condition: New. Carol Koeller (illustrator). 221 x 147 mm. Language: English . Brand New Book. This is volume three, Reading Level 1, in a comprehensive program (Reading Levels 1 and 2) for beginning...



### **Because It Is Bitter, and Because It Is My Heart (Plume)**

Plume. PAPERBACK. Book Condition: New. 0452265819 12+ Year Old paperback book-Never Read-may have light shelf or handling wear-has a price sticker or price written inside front or back cover-publishers mark-Good Copy- I ship FAST with FREE tracking!!!! \* I am a reputable...



### **Kingfisher Readers: Romans (Level 3: Reading Alone with Some Help) (Unabridged)**

Pan Macmillan. Paperback. Book Condition: new. BRAND NEW, Kingfisher Readers: Romans (Level 3: Reading Alone with Some Help) (Unabridged), Philip Steele, For the first time, Kingfisher brings its expertise in beautifully-designed, trusted non-fiction to the sphere of learning to read. This new...



### **Kingfisher Readers: Volcanoes (Level 3: Reading Alone with Some Help) (Unabridged)**

Pan Macmillan. Paperback. Book Condition: new. BRAND NEW, Kingfisher Readers: Volcanoes (Level 3: Reading Alone with Some Help) (Unabridged), Claire Llewellyn, For the first time, Kingfisher brings its expertise in beautifully-designed, trusted non-fiction to the sphere of learning to read. This new...



### **Kingfisher Readers: Record Breakers - the Biggest (Level 3: Reading Alone with Some Help) (Unabridged)**

Pan Macmillan. Paperback. Book Condition: new. BRAND NEW, Kingfisher Readers: Record Breakers - the Biggest (Level 3: Reading Alone with Some Help) (Unabridged), Claire Llewellyn, For the first time, Kingfisher brings its expertise in beautifully-designed, trusted non-fiction to the sphere of learning...