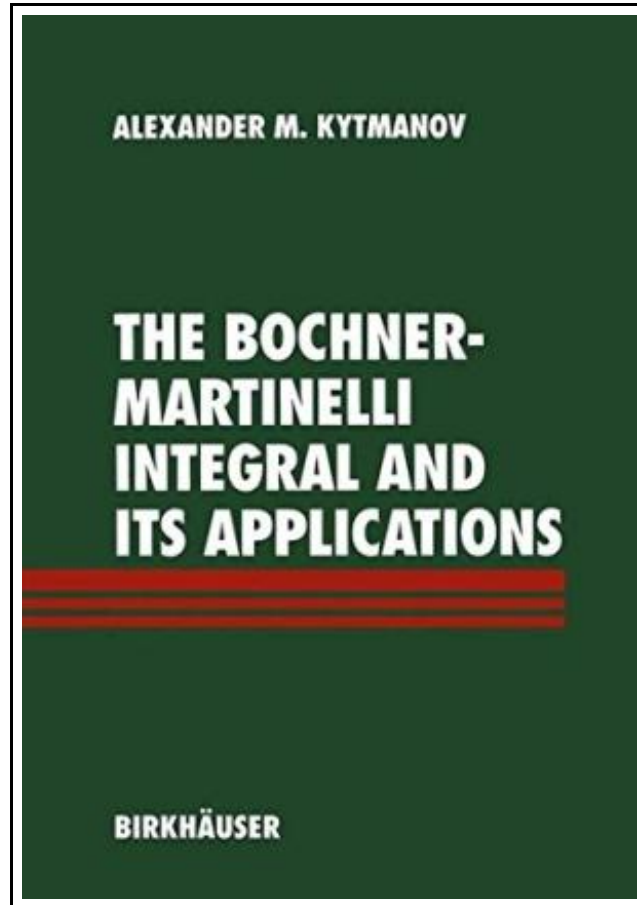


# The Bochner-Martinelli Integral and Its Applications



Filesize: 5.48 MB

## ***Reviews***

*This is the very best book i actually have read till now. It is loaded with knowledge and wisdom I am just easily could get a satisfaction of reading a created ebook.*  
*(Ena Huel)*

## THE BOCHNER-MARTINELLI INTEGRAL AND ITS APPLICATIONS



Birkhäuser. Paperback. Book Condition: New. Paperback. 324 pages. Dimensions: 9.5in. x 6.7in. x 0.7in. The Bochner-Martinelli integral representation for holomorphic functions of several complex variables (which has already become classical) appeared in the works of Martinelli and Bochner at the beginning of the 1940s. It was the first essentially multidimensional representation in which the integration takes place over the whole boundary of the domain. This integral representation has a universal kernel (not depending on the form of the domain), like the Cauchy kernel in  $\mathbb{C}^n$ . However, in  $\mathbb{C}^n$  when  $n \geq 1$ , the Bochner-Martinelli kernel is harmonic, but not holomorphic. For a long time, this circumstance prevented the wide application of the Bochner-Martinelli integral in multidimensional complex analysis. Martinelli and Bochner used their representation to prove the theorem of Hartogs (Osgood-Brown) on removability of compact singularities of holomorphic functions in  $\mathbb{C}^n$  when  $n \geq 1$ . In the 1950s and 1960s, only isolated works appeared that studied the boundary behavior of Bochner-Martinelli (type) integrals by analogy with Cauchy (type) integrals. This study was based on the Bochner-Martinelli integral being the sum of a double-layer potential and the tangential derivative of a single-layer potential. Therefore the Bochner-Martinelli integral has a jump that agrees with the integrand, but it behaves like the Cauchy integral under approach to the boundary, that is, somewhat worse than the double-layer potential. Thus, the Bochner-Martinelli integral combines properties of the Cauchy integral and the double-layer potential. This item ships from multiple locations. Your book may arrive from Roseburg, OR, La Vergne, TN. Paperback.



**Read The Bochner-Martinelli Integral and Its Applications Online**

**Download PDF The Bochner-Martinelli Integral and Its Applications**

## Other PDFs



### **Molly on the Shore, BFMS 1 Study score**

Petrucci Library Press. Paperback. Book Condition: New. Paperback. 26 pages. Dimensions: 9.7in. x 6.9in. x 0.3in. Percy Grainger, like his contemporary Bela Bartok, was intensely interested in folk music and became a member of the English...

[Download ePub »](#)



### **Coronation Mass, K. 317 Vocal Score Latin Edition**

Petrucci Library Press. Paperback. Book Condition: New. Paperback. 56 pages. Dimensions: 9.6in. x 6.7in. x 0.1in. Otto Taubmanns classic vocal score of Mozarts Coronation Mass was first issued in the early 20th century and has become...

[Download ePub »](#)



### **Get Up and Go**

Puffin. Paperback. Book Condition: New. Paperback. 32 pages. Dimensions: 10.0in. x 7.7in. x 0.3in. We all come in different shapes and sizes, and it doesnt matter if you are tall, short, skinny, or round. Your body...

[Download ePub »](#)



### **A Sea Symphony - Study Score**

Petrucci Library Press. Paperback. Book Condition: New. Paperback. 324 pages. Dimensions: 9.6in. x 6.7in. x 0.7in. Vaughan Williams conducted the first performance of his great choral symphony on his 38th birthday, October 12, 1910, at the...

[Download ePub »](#)



### **The Birds Christmas Carol**

Digireads.com. Paperback. Book Condition: New. Paperback. 34 pages. Dimensions: 7.8in. x 4.8in. x 0.3in. Kate Douglas Wiggin (1856-1923) was an important reformer of childrens education at the turn of the century. During a period when childrens...

[Download ePub »](#)

**Scholastic Discover More My Body**

Scholastic Reference. Hardcover. Book Condition: New. Hardcover. 32 pages. Dimensions: 9.1in. x 7.7in. x 0.6in. Scholastic Discover More is a revolutionary new nonfiction line pairing stunning print books with corresponding interactive digital books that extend the

[Download Document »](#)

**Good Night, Zombie Scary Tales**

Feiwei & Friends. Paperback. Book Condition: New. Iacopo Bruno (illustrator). Paperback. 112 pages. Dimensions: 8.2in. x 5.4in. x 0.2in. Welcome. Have a seat. Ignore the shambling undead outside. Let us tell you a story. But be

[Download Document »](#)

**DK Readers Duckling Days**

DK CHILDREN. Paperback. Book Condition: New. Paperback. 32 pages. Dimensions: 8.9in. x 5.9in. x 0.2in. This Level 1 book is appropriate for children who are just beginning to read. Six ducklings follow mother duck everywhere. One

[Download Document »](#)

**Wondrous Strange**

Harper Teen. Paperback. Book Condition: New. Paperback. 352 pages. Dimensions: 7.9in. x 5.3in. x 0.9in. Since the dawn of time, the Faerie have taken. . . . Seventeen-year-old actress Kelley Winslow always thought faeries were just

[Download Document »](#)

**The Day I Forgot to Pray**

Tate Publishing. Paperback. Book Condition: New. Paperback. 28 pages. Dimensions: 8.7in. x 5.8in. x 0.3in. Alexis is an ordinary five-year-old who likes to run and play in the sandbox. On her first day of Kindergarten, she

[Download Document »](#)