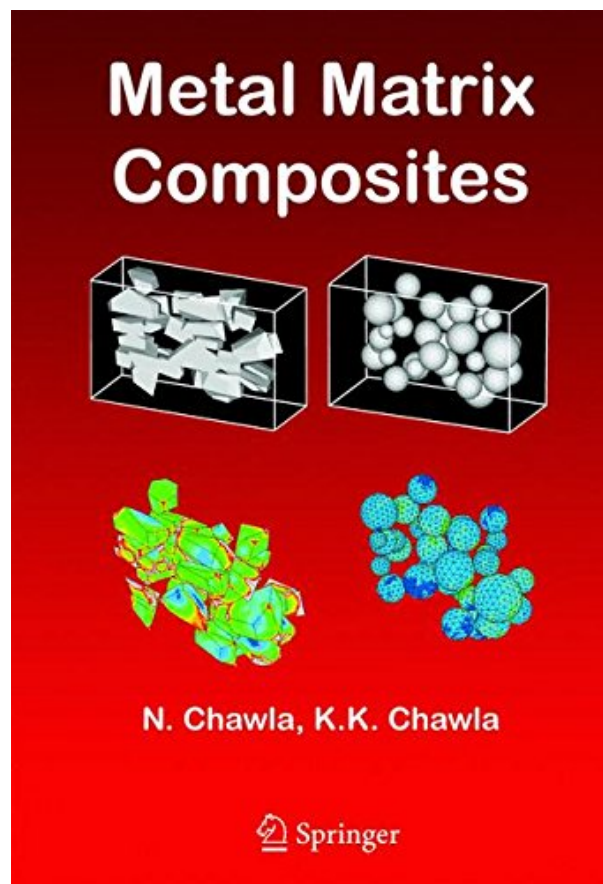


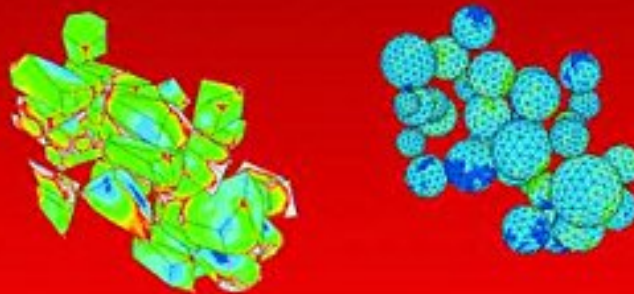
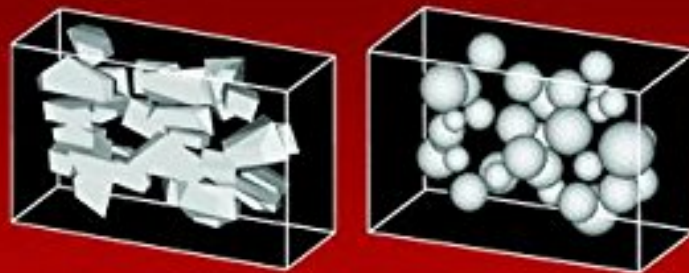
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Review

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From ADVANCED ENGINEERING MATERIALS 2006, 8, No. 6

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"Books specifically devoted to metal-matrix composites ... have been a minority. ... this book ... has successfully filled the gap. ... The authors did a good job in presenting a rich body of up-to-date ... information. ... Throughout the book, the reader will find extensive use of illustrations to supplement the text. The illustrations are generally of good quality. ... is a valuable contribution and needed addition to the composite materials literature. It will prove very useful for students, researchers, and engineering professionals" (Yu-Lin Shen, JOM – Online, December, 2005)

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In the last few years, a significant increase in applications of MMCs has taken place, particularly in the areas of automotive, aerospace, electronics, and recreation. These include continuous fiber reinforced MMCs for cables in power transmission, high temperature superconducting wires, particulate MMCs in civilian aircraft and automotive applications, and high volume fraction, high thermal conductivity substrates for electronic packaging. Nevertheless, as with any novel material systems, there is a lack of fundamental understanding on the part of practicing engineers and designers. This book would seek to address these issues, in a thorough and cohesive manner, as well as to provide students and scientists with a basic understanding of MMCs. This book will emphasize the synergistic relationships among processing, structure, and properties of metal matrix composites.

- Sales Rank: #5694777 in Books
- Published on: 2005-09-28
- Original language: English
- Number of items: 1
- Dimensions: 9.21" h x .94" w x 6.14" l, 1.85 pounds
- Binding: Hardcover
- 403 pages

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