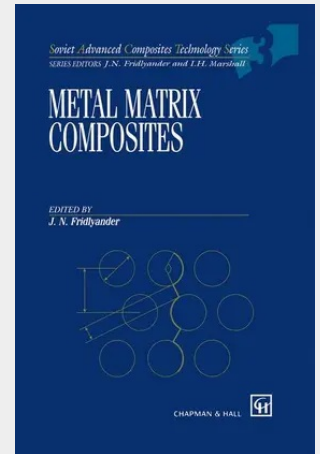


Metal Matrix Composites

The problem of developing metal matrix (MCM) and metal-polymer (MPCM) composite materials is one of the most important in present day materials technology, for its solution is pivotal to the development of a number of leading technologies. The development of new fibrous and lamellar composite materials with improved physico-chemical, electrical, thermal and other properties is a springboard for qualitative scientific and technological advances not only in aerospace and shipbuilding technologies, but also in mechanical, power, electronic, electrical, radio engineering, transport, construction and other industries. The volume reviews the results of research programmes accomplished in recent years by Soviet scientists in the development of composite materials based on aluminium and magnesium matrices, polymatrix composites (composite materials) with metal and polymeric matrices reinforced with boron and carbon fibres, steel wire, fibre glass and other fillers. The volume also reviews present-day physico-chemical fundamentals and basic principles for developing and optimizing metal matrix composites, and describes the most expedient and efficient methods of MCM and MPCM manufacturing. Special attention is devoted to the issue of manufacturing MCM structural members, and their machining and plastic working, as well as to coupling techniques.

Springer Book Archives



534,99 €

499,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9789401045520

Medium: Buch

ISBN: 978-94-010-4552-0

Verlag: Springer Netherlands

Erscheinungstermin: 21.10.2012

Sprache(n): Englisch

Auflage: 1995

Serie: Soviet Advanced Composites Technology Series

Produktform: Kartoniert

Gewicht: 1042 g

Seiten: 682

Format (B x H): 155 x 235 mm

