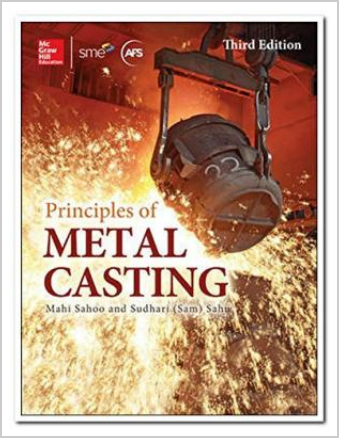

Principles of Metal Casting (Third Edition)

By Mahi Sahoo,Sam Sahu

McGraw Hill Education, 2014. Softcover. Condition: New. 3rd edition. The definitive metal casting resource--fully updated Written by prominent industry experts, Principles of Metal Casting, Third Edition, addresses the latest advances in the field such as melting, casting processes, sand systems, alloy development, heat treatment, and processing technologies. New chapters cover solidification modeling, casting defects, and zinc and zinc alloys. Detailed photographs, illustrations, tables, and equations are included throughout. Ideal for students and researchers in metallurgy and foundry science as well as foundry industry professionals, this authoritative guide provides all of the information needed to produce premium-quality castings. Comprehensive coverage includes: Patterns Casting processes Solidification of metals and alloys Gating and risering of castings Casting process simulation Aluminum and aluminum alloys Copper and copper alloys Magnesium and magnesium alloys Zinc and zinc alloys Cast irons Steel castings Cleaning and inspection Casting defects Contents: 1: Introduction History of Casting; Foundry Industry 2: Patterns Introduction to Patternmaking; Types of Patterns; Pattern Allowances; Function of Patterns; Core Boxes; Rapid Prototyping; Application of CAD to Pattern and Core Making 3: Casting Processes Reusable Molds; Molds that are destroyed after making castings; Green Sand Process; Cores 4: Solidification of Metals Freezing of Pure Materials; Freezing of...

Reviews

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Totally one of the better pdf I have at any time read through. It really is simplified but shocks within the 50 % from the ebook. Once you begin to read the book, it is extremely difficult to leave it before concluding.
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