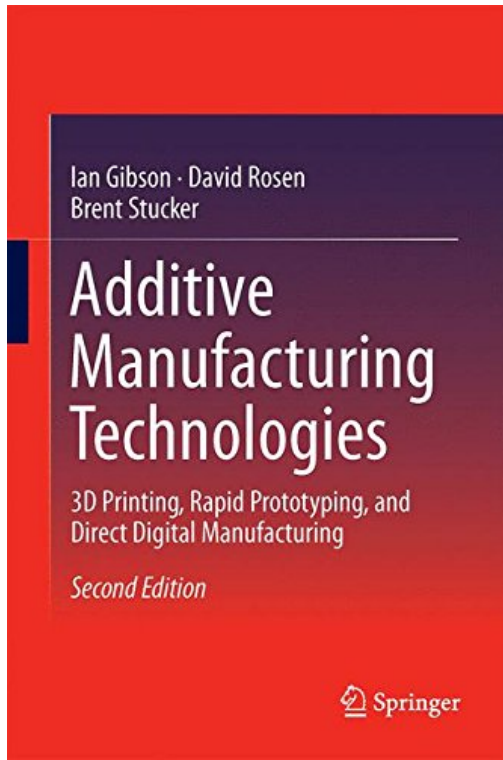


PDF Additive Manufacturing Technologies: 3D Printing, Rapid Prototyping, and Direct Digital Manufacturing PDF Free



Book details

- Author : Ian Gibson
- Pages : 498 pages
- Publisher : Springer 2014-11-27
- Language : English
- ISBN-10 : 1493921126
- ISBN-13 : 9781493921126



Book Synopsis

This book covers in detail the various aspects of joining materials to form parts. A conceptual overview of rapid prototyping and layered manufacturing is given, beginning with the fundamentals so that readers can get up to speed quickly. Unusual and emerging applications such as micro-scale manufacturing, medical applications, aerospace, and rapid manufacturing are also discussed. This book provides a comprehensive overview of rapid prototyping technologies as well as support technologies such as software systems, vacuum casting, investment casting, plating, infiltration and other systems. This book also: Reflects recent developments and trends and adheres to the ASTM, SI, and other standards. Includes chapters on automotive technology, aerospace technology and low-cost AM technologies. Provides a broad range of technical questions to ensure comprehensive understanding of the concepts covered.