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Additive Manufacturing Technologies

3D Printing, Rapid Prototyping, and
Direct Digital Manufacturing

Second Edition

 Springer

Resumo de Additive Manufacturing Technologies: 3D Printing, Rapid Prototyping, and Direct Digital Manufacturing

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.

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