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2.1 FDM Process and Materials.

Sommario/riassunto

This book reports on research and developments in the field of 3D printing, with a special emphasis on methods to analyse the products of additive manufacturing, and optimize different steps of the manufacturing process. Gathering selected contributions to the 2nd Advances in Additive Manufacturing Conference (AIAM' 2023), held on Mai 18-20, 2023, in Hammamet, Tunisia, this book covers a variety of topics, including: analysis of microstructure and material behavior, numerical simulation and model techniques for optimization of manufacturing processes, machine learning for quality control and automated monitoring, among others. Offering a good balance of fundamental research and industrially relevant findings, this book provides researchers and professionals with a timely snapshot of and extensive information on current developments in the field and a source of inspiration for future research and collaboration.
