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Sommario/riassunto

This book provides a comprehensive exploration of metal additive manufacturing (MAM), detailing its principles, processes, techniques, and applications. Edited by experts from academia and industry, it delves into various MAM methods, including powder-based, liquid-based, wire-based, and extrusion-based techniques. The content also addresses challenges in post-processing, computational modeling, material design, and feedstock production. Additionally, the book examines the industrial applications of MAM in sectors like aerospace, automotive, and medical industries while exploring future innovations and technologies such as artificial intelligence integration. It serves as a valuable resource for engineers, researchers, professionals, and students interested in advancing their understanding of metal additive manufacturing technologies.