



Student Work Master / Bachelor / Project / Laboratory

Microstructure and mechanical properties in additive manufacturing

The ever increasing demand for lightweight complex-shaped components is the key driver for the additive manufacturing of engineering parts. Due to extreme process conditions, additively manufactured materials are characterized by specific microstructures and thus mechanical properties different from those observed in conventionally manufactured materials of similar composition. This work will discuss the current research status of microstructure and mechanical properties of materials produced by additive manufacturing.

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