

Defect detection in additively manufactured metal components using neutron grating interferometry

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Additive manufacturing (AM) enables to manufacture of complex shapes ultimately leading to lightweight components. To be certain that the components perform as designed it is necessary to know the types of defects and distributions in the components and their influence on mechanical properties. For this neutron grating interferometry (nGI) can be used to quantify various types of defects and to visualise the defect evolution under loading conditions.

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