

# 中国激光

前沿激光制造

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# 中国激光

——前沿激光制造——

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封面解读

封面展示了超声速来流条件下激光诱导瞬态破坏形貌的高精度原位观测原理。测量机器人带有激光辅助照明系统和特制光学系统,其发出的补充光源可避免高能连续激光辐照面高温辐射导致的图像过度曝光问题,通过获得高速风洞内激光诱导的瞬态烧蚀形貌,利用光流法可分析典型材料的烧蚀特征。高精度原位测量技术为极端复杂环境下的激光破坏机理研究提供了实验数据支撑,可应用于高温环境下烧蚀/损伤形貌的精细观测。

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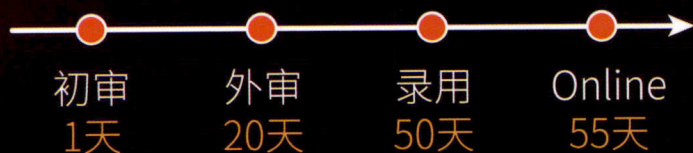


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