



中国光学工程学会会刊



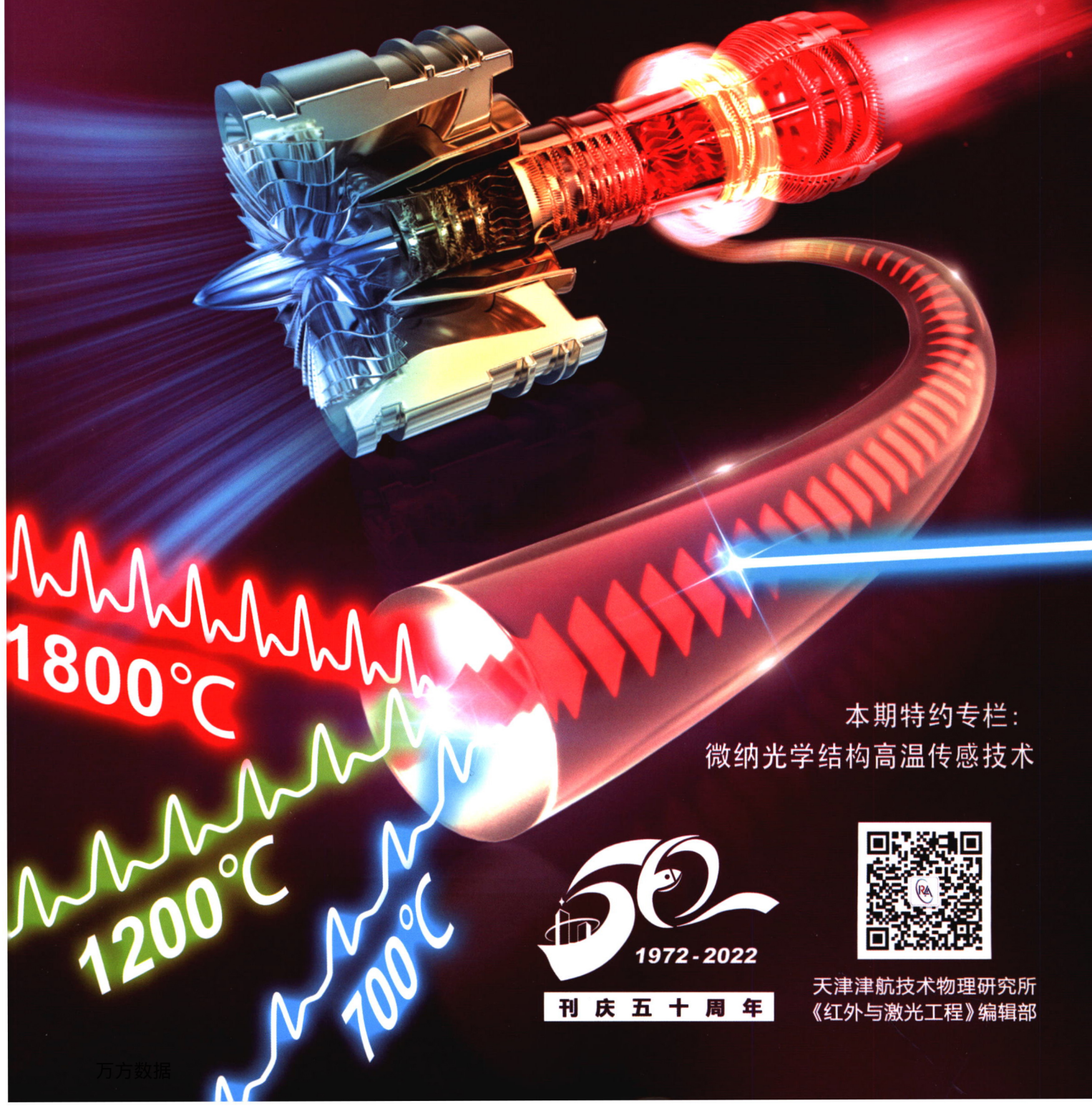
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红外与激光工程

INFRARED AND LASER ENGINEERING



本期特约专栏：
微纳光学结构高温传感技术



刊庆五十周年



天津津航技术物理研究所
《红外与激光工程》编辑部

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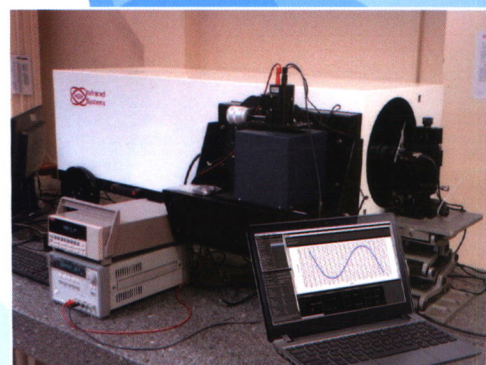
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IRCOL

红外与可见光成像系统性能测试设备

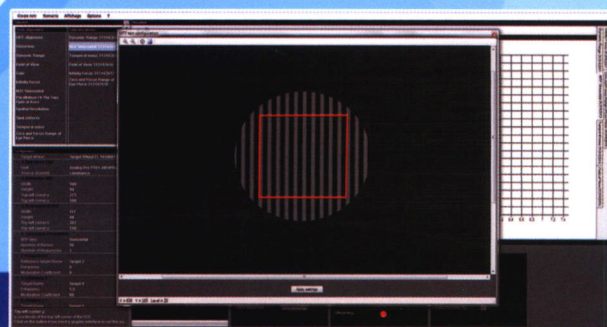
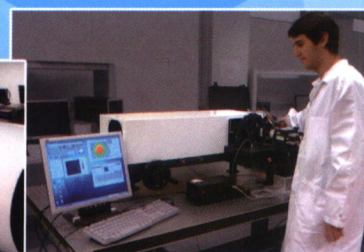
介绍:

IRCOL是法国HGHI专为测试可见光及红外成像系统而开发的离轴式准直仪测试系统。坚固的机械外壳能有效地保护光学系统不受震动和灰尘的影响,光管内部独特的光阑能够防止杂散光的干扰,此设备可满足用户对焦距和口径的定制需求。两个支撑轮可精准地调整光轴的方位角和升降(选项),可在高低温箱里使用(选项),配备反射式靶标,可用于测试系统对背景温度的独立控制(选项)。每一台准直仪的波面精度都由专用的波前分析仪校准后保证。



可测试参数:

- ◇ 噪声 (NETD、固定图案噪声、时域噪声等)
- ◇ 空间测试 (MTF、FOV、畸变等)
- ◇ 探测/识别范围测试 (MRTD、MDTD、TOD等)
- ◇ 光轴一致性 (可见光/红外/激光光轴等) 测试及校准
- ◇ 可见光参数 (增益、空间分辨率、无穷远聚焦、动态范围、坏点检测、目镜零位及聚焦范围等)



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