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· 简 讯 ·

## 美法联合制造多色导星

在美国加州的劳伦斯·利弗莫尔国家实验室(LLNL)连续进行用于天文学的精确激光导星实验时,法国的访问学者上月用 400W 多色激光束进行了试验。包含 589nm 和 569nm 波长的单光束发射产生了首次黄色的导星。LLNL 以前的实验只能用铜蒸气泵浦染料激光器产生的 589nm 光束。法国研究人员认为多色导星能提供天体波前的平均倾斜角的信息,而单色导星则不能提供。暗淡的行星通常因从多色导星所提供的清晰图象可能有益于对行星周围附近的星球的研究,明亮的星球产生的散射光使暗淡的行星难以发现。同样,也可能有益于对落入银河中心巨大的黑洞的物质进行高分辨率研究。

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