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# 中国激光

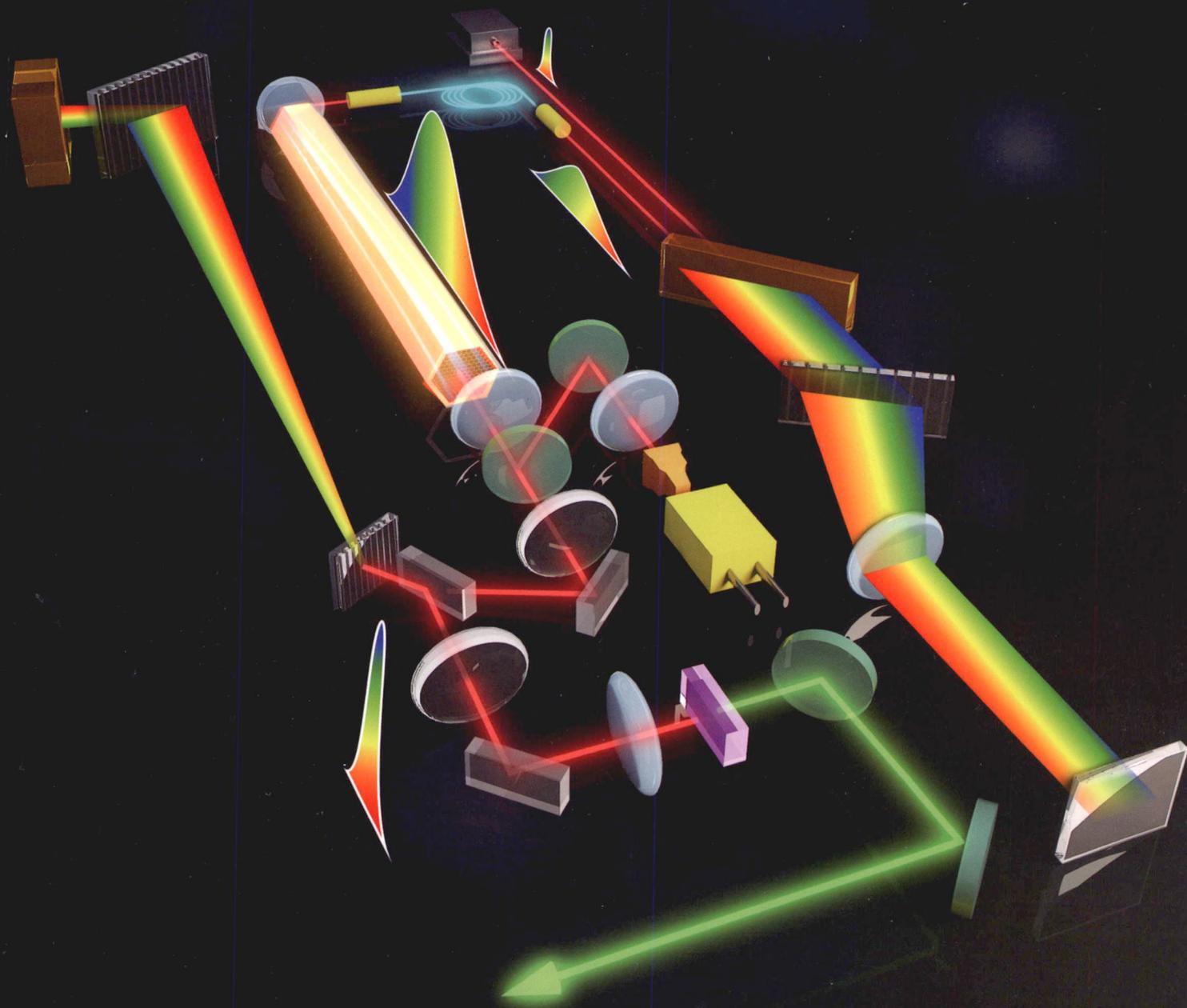
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# 中国激光

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## 封面解读

本封面体现了啁啾脉冲放大技术的基本原理。种子源输出的飞秒量级脉冲通过光栅基脉冲展宽器进行时域展宽获得纳秒量级的脉冲输出。通过光纤预放大器及大模场面积的光子晶体光纤(亮黄色)主放大器逐步提升激光器的平均功率。采用光栅基脉冲压缩器将激光器的脉宽重新压缩至飞秒量级。图中以“彩虹”包络的宽度和强度近似表示啁啾脉冲的时域宽度和峰值功率。渐变“彩虹带”表示脉冲展宽器和压缩器内的光谱展宽和压缩过程。基频激光(红线)通过倍频晶体(紫色)进行频率变换获得二倍频激光(绿线)输出。

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封面故事

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特色专题

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