

Techniques of single amplified high intensity ultra-short pulse laser  
system

陳振文, 莊凱鈞

Mechanical Engineering

Engineering

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Abstract

Noise and fluctuations are of fundamental importance in all aspects of laser systems, especially in laser amplifiers. We present the results that not only enhance the signal seed sources to the maximum amplification, but also produced single amplified signal source. The outputs of the complete high intensity ultra-short pulse UV laser system are presented and characterized.

Keyword : Ultra-short pulse laser, laser amplifier, amplified spontaneous emission, high intensity laser system.