

Fundamentals of chemical lasers

Rolf W. F. Gross

(Aerospace Corporation, P. O. Box 92957, Los Angeles, CA90009)

The chemical kinetics, gasdynamics, and laser optics of the supersonic, cw, HF/DF chemical diffusion lasers under development at Aerospace Corp. since 1969 will be reviewed. Special attention will be paid to the fundamental principles of these lasers.

化学激光器的基本原理

Rolf W. F. Gross

(美国宇航公司)

本文介绍 1969 年以来宇航公司研制的超声、连续、HF/DF 化学扩散激光器的化学动力学、气体动力学及激光光学问题，重点放在这些激光器的基本原理上。