

6. Principles of the Semiconductor Laser

6.1 Laser Conditions

6.1.1 Interaction of Light and Electrons; Inversion

6.1.2 Light Amplification in Semiconductors

6.1.3 From Amplification to Oscillation: Second Laser Condition

6.2 Specific Topics

6.2.1 Turning on a Laser Diode

6.2.2 Laser Modes