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""6.6 Open Resonators """"6.7 The Confocal Resonator ""; ""6.8 The Quality Factor Q ""; ""6.9 Losses Inside the Cavity ""; ""6.10 The Threshold Condition ""; ""6.11 Quantum Yield ""; ""Chapter 7 Solid State Lasers ""; ""7.1 The Ruby Laser-A Three-Level System ""; ""7.2 Pumping Power ""; ""7.3 Spiking ""; ""7.4 U<sup>3+</sup> in CaF<sub>2</sub> Laser: A Four-Level System ""; ""7.5 Neodymium Lasers ""; ""(a) Nd: YAG Laser""; ""(b) Neodymium: Glass Laser""; ""7.6 Ho<sup>3+</sup>: YLF Laser ""; ""7.7 Other Types of Solid State Lasers ""; ""Chapter 8 Gas Lasers ""; ""8.1 Neutral Atom Gas Lasers : Helium-Neon Laser "" ""8.2 Copper Vapour Laser """"8.3 Ion Lasers ""; ""8.3.1 Argon Ion Laser [Bridges et al. 66]""; ""8.3.2 Krypton and Mercury Ion Lasers""; ""8.4 Metal Vapour Laser ""; ""8.4.1 He-Cd Laser""; ""8.4.2 He-Se Laser""; ""8.5 Molecular Gas Lasers ""; ""8.5.1 CO<sub>2</sub> Laser""; ""8.5.2 Electroionization Lasers""; ""8.5.3 Gas-dynamic Laser""; ""8.5.4 Vibronic Lasers""; ""8.6 Excimer Lasers ""; ""Chapter 9 Semiconductor Lasers ""; ""9.1 Central Features of Semiconductor Lasers""; ""9.2 Intrinsic Semiconductor Lasers ""; ""9.3 Doped Semiconductors ""; ""9.4 Condition For Laser Action "" ""9.5 Injection Lasers ""

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