

LASER OPTICS LAB

ADVANCED VOCABULARY LIST

1. Power density (be able to calculate it for a particular beam diameter)
2. Energy density (be able to calculate it for a particular beam diameter)
3. Beam mode
4. Wavelength ranges for light absorbed by cornea, lens, retina, skin
5. Optical density (be able to compute power reduction for OD levels)
6. Diffraction grating
7. Total internal reflection
8. Gaussian distribution
9. Fovea centralis
10. Blind spot (natural)
11. Aqueous humor
12. Vitreous humor
13. Cornea
14. Q-switching
15. Wavelengths for nitrogen and CO₂ lasers
16. Dye laser
17. Transmittance
18. Beam modulation
19. Polarization
20. Argon ion laser
21. Raman scattering
22. Blanking
23. XY scanners (in the context of laser projection)
24. Cuvette