

Physics 391  
Lesson 35 Preflight

1. What factors need to be considered when calculating the round trip gain?
2. Describe what the threshold condition for laser oscillation to start is in words.
3. Describe what gain saturation is and why it is necessary for steady state operation of the laser.
4. What are resonant longitudinal modes of an optical cavity?
5. What are transverse modes of an optical cavity?