

Physics 391
Lesson 22 Preflight

1. Explain how a Michelson interferometer works. Your description should include how it generates interference and how it measures small distances accurately.
2. What does the coefficient of finesse tell us about the light transmitted through a thin film?
3. In words, what is the finesse of a Fabry-Perot interferometer?
4. In words, what is the free spectral range of a Fabry-Perot interferometer?