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Notes registered by Jack Gould

Some rough calculations on the frasckility of a LASER: Lights Amplicational stimulated emission of Radiation.

As tubes terminated by optically flat partially reflecting parallel mirrors. The mirrors might be silyred or myltilayer interference reflecters. The lattu are almost …. Less and may behave ligh reflectance depending on this vutube of layers. A prestinal achievement is 98% in the visible for a 7-layer reflector. Flats will ….. ….. then 1/100 labda are not available, so if a resonant system is desizes, higher reflectances would not be useful. However for a non-resonant system this 99.9 % technique are possible might be useful.

Consider a plane standing wave in the tube. There is the effect of a cloud cavity since the wavelength is small the diffraction and hence the latual loss is negligible.