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276 FIBER OPTICS a x Figure 8.1-2 A skewed ray lies in a plane offset from the fiber axis by a distance R. The ray is identified by the angles θ and ϕ .

FIBER OPTICS - The University of Sydney

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The physical constant ϵ_0 (pronounced as ϵ nought or ϵ zero), commonly called the vacuum permittivity, permittivity of free space or electric constant or the distributed capacitance of the vacuum, is an ideal, (baseline) physical constant, which is the value of the absolute dielectric permittivity of classical vacuum. It has an exactly defined value that can be ...

Vacuum permittivity - Wikipedia

Electro-optic modulator (EOM) is an optical device in which a signal-controlled element exhibiting the electro-optic effect is used to modulate a beam of light. The modulation may be imposed on the phase, frequency, amplitude, or polarization of the beam. Modulation bandwidths extending into the gigahertz range are possible with the use of laser-controlled modulators.

Electro-optic modulator - Wikipedia

En 1786, l'astronome amÃ©ricain, David Rittenhouse, rÃ©alise un rÃ©seau de diffraction en transmission en tendant des cheveux entre deux pas de vis trÃ©s fins (une cinquantaine de cheveux sur des filets de 116 puis 190 pas par pouce). Fraunhofer utilisa la mÃªme technique avec des fils mÃ©talliques en 1821 [1]. Les rÃ©seaux furent ensuite gravÃ©s mÃ©caniquement puis par photogravure.

RÃ©seau de diffraction â€” WikipÃ©dia

Free-space laser communication systems have the potential to provide flexible, high-speed connectivity suitable for long-haul intersatellite and deep-space links. For these applications,...

Laser communication transmitter and receiver design

Il fotone, come ogni oggetto quantistico, possiede sia le proprietÃ di una particella sia quelle di un'onda. Tale caratteristica, detta dualismo onda-particella, Ã provata da fenomeni come la diffrazione e l'interferenza, verificati da molti esperimenti tra cui l'esperimento della doppia fenditura, in cui il passaggio di un singolo elettrone genera una figura di diffrazione.

Fotone - Wikipedia

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