



SNS COLLEGE OF ENGINEERING

Kurumbapalayam (Po), Coimbatore – 641 107

An Autonomous Institution

Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A' Grade Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Subject Code: 19EC502

Subject: Transmission Lines and Antennas

Unit-II

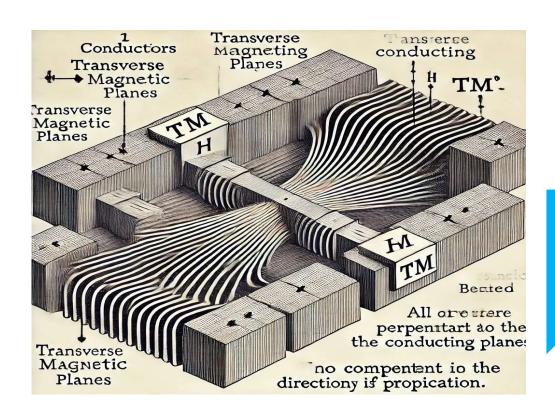
PUZZLES





FIELDS Puzzles

In a pair of parallel conducting planes, you observe that the magnetic field in the direction of wave propagation is zero. What type of wave are you likely dealing with?



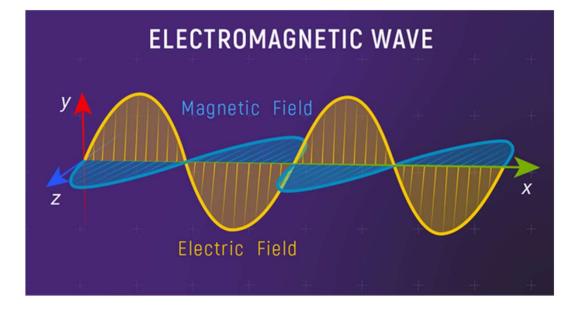




TE,TM and TEM WAVES

When studying waves between parallel planes of perfect conductors, you realize that there is no electric field component along the length of the planes. What

kind of wave is this?

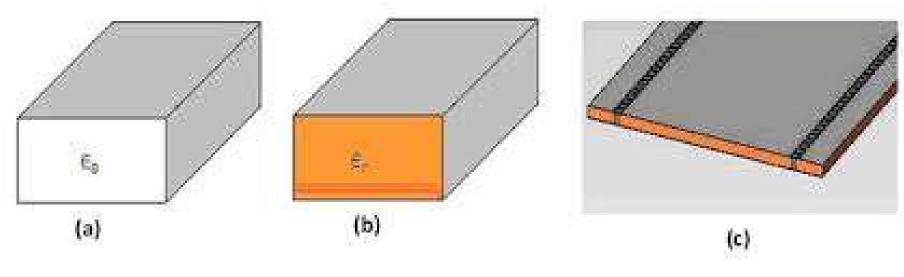






WAVE GUIDES

A rectangular waveguide has started operating at a very low frequency. However, you notice that no TE or TM waves are propagating. What is likely happening?



01-09-2024

Transmission Line and Antenna /Puzzles -Unit-I /Dr. Husna Khouser/ECE/SNSCE





WAVE GUIDES

A rectangular waveguide has started operating at a very low frequency. However, you notice that no TE or TM waves are propagating. What is likely happening?

