

Abstracts

Optical Fiber Communication Systems in Japan

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A dream of telecommunication engineers has long been a development of practical transmission media for large capacity transmission systems. In accordance with various microwave and millimeter-wave technologies, coaxial, rectangular and circular waveguides were extensively studied for baseband signal through millimeterwave signal transmission. The research on optical fibers was motivated by this background with a more ambitious program of attempting to use the entire electromagnetic spectrum for communication. The invention of the laser stimulated the development of optical fibers.

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