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Free Space Laser Communications Principles

A laser is a device that emits light through a process of optical amplification based on the stimulated emission of electromagnetic radiation. The word "laser" is an acronym for "light amplification by stimulated emission of radiation". The first laser was built in 1960

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Communications
by Theodore H.
Maiman at Hughes
Research Laboratories,
based on theoretical
work by Charles Hard
Townes and Arthur
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Laser - Wikipedia

c = the speed of light
in free space = 3×10^8
m/s. v = the speed of
light in di-electric or
non-conducting
material. Generally, for
a travelling light ray,
reflection takes place

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when $n_2 < n_1$. The bent of light ray at the interface is the result of difference in the speed of light in two materials that have different refractive indices.

Principles of Optical Fiber Communications

Optical communication, also known as optical telecommunication, is communication at a distance using light to

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carry information. It can be performed visually or by using electronic devices. The earliest basic forms of optical communication date back several millennia, while the earliest electrical device created to do so was the photophone, invented in 1880.

Optical communication - Wikipedia

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telecommunication and might well reveal to be the single most enabling technology for the introduction of secure and high bandwidth communication. In the present paper a different application of optical links is discussed, using laser links not only as a communications channel but also as a means to transfer energy without wires.

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Concepts for wireless energy transmission via laser

The beam size is ~ 120 μm . Laser power was varied from 2.4 to 5.4 W with increments of 0.6 W. The laser system offers an option of controlling the scan rates from 0.7 to 23.1 inches s^{-1} . The ...

Laser-induced porous graphene ... -

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The Laser in America,
1950-1979 Joan Lisa
Bromberg Laser History
Project/MIT Press, 1991
Laser: Light of a Million
Uses Jeff Hecht and
Dick Teresi Dover
Publications Inc., 1982,
1998 Laser Pioneers
Jeff Hecht Academic
Press Inc., 1985, 1992
Laser Community The
Laser Magazine from
Trumpf Issue 02:2009
Lasers & Applications

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magazine Jan. 1985 ...

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**A History of the
Laser: 1960 - 2019 |
Features | Jun 2019**

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The long-term cycling of anode-free Li-metal cells (i.e., cells where the negative electrode is in situ formed by electrodeposition on an electronically conductive matrix of lithium sourced from ...

An electron-deficient

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••• Watch a video definition of total internal reflection. Modes When light is guided down a fiber (as microwaves are guided down a waveguide), phase shifts occur at every reflective boundary. There is a finite discrete number of paths down the optical fiber (known as modes) that produce

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constructive (in phase and therefore additive) phase shifts that reinforce the transmission.

Fiber Optics: Understanding the Basics | Fiber Optics

...

Space-Track.org's Application Programming Interface (API) allows users to access data on this site programmatically using custom, stable URLs

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with configurable parameters. This API conforms to the general principles of a design called Representational State Transfer or "REST" and is identical to the data returned in the site's Graphical User Interface (GUI).

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A typical setup of a
simple erbium-doped
fiber amplifier (EDFA)

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is shown in Figure 1. Its core component is the erbium-doped optical fiber, which is typically a single-mode fiber (or sometimes a few-mode fiber).. In the shown case, the active fiber is “pumped” with light from two laser diodes (bidirectional pumping), although unidirectional pumping in the forward or backward direction (co ...

**Erbium-doped fiber
amplifiers, explained
by RP Photonics ...**

If the laser supports the oscillation of multiple longitudinal modes but no higher-order transverse modes, it means that the laser output has finite temporal coherence but perfect spatial coherence. The longitudinal modes in a laser are equally spaced in frequency by $c/2L$ where c is the

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velocity of light and L
is the effective length
of the ...

Properties of Lasers

Space is in desperate
need of a long-term
strategy. Given the
pace of major trends, a
short-term strategy for
space is insufficient.
While the 2020 US
National Space Policy
and 2018 US National
Space Strategy
helpfully identified
principles, goals, and

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guidelines for US space activity, a longer-term lens is needed. This strategy does not ...

The future of security in space: A thirty-year US strategy ...

In any event, those roseate visions of a conflict-free cosmos are gone. War in space is now being planned openly; and if a broad definition is applied, inner space—the zone

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between the Earth and Moon—is already a theater of operations and has been since the early 1960s, with a myriad of spy satellites scattered among 4,000 pieces of ...

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The military's space-based systems underpin everything: communications, surveillance, guided

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munitions, nuclear command and control, and more. 4 Among the spacefaring nations, the United States is by far the most exposed, operating more than half of all active satellites circling the globe. Laura Grego, an astrophysicist with the Union of ...

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