

Laser Light Laser Light

Laser rangefinder A laser rangefinder, also known as a laser telemeter or laser distance meter, is a rangefinder that uses a laser beam to determine the distance to an object b38ac21113

List of laser applications of laser spectroscopy are discussed by Demtröder. Most types of laser are an inherently pure source of light; they emit near-monochromatic light with b38ac21113

Laser diode A laser diode (LD, also injection laser diode or ILD or semiconductor laser or diode laser) is a semiconductor device similar to a light-emitting diode b38ac21113

Laser cooling Laser cooling includes several techniques where atoms, molecules, and small mechanical systems are cooled with laser light. The directed energy of lasers b38ac21113

Laser A laser is a device that emits light through a process of optical amplification based on the stimulated emission of electromagnetic radiation. Townes and Arthur Leonard Schawlow and the optical amplifier patented by Gordon Gould. The word laser originated as an acronym for light amplification by stimulated emission of radiation. The word A laser is a device that emits light through a process of optical amplification based on the stimulated emission of electromagnetic radiation. The first laser was built in 1960 by Theodore Maiman at Hughes Research Laboratories, based on theoretical work by Charles H b38ac21113

Ion laser Like other gas lasers, ion lasers feature a sealed cavity containing the laser medium. ion laser is a gas laser that uses an ionized gas as its lasing medium b38ac21113

Laser safety Since even relatively small amounts of laser light can lead to permanent eye injuries, the sale and usage of lasers is typically subject to government regulations b38ac21113

A laser differs from other sources of light in that it emits light that is coherent. Spatial coherence allows a laser to be focused to a tight spot, enabling uses such as optical communication, laser cutting, and lithography. It also allows a laser beam to stay narrow over great distances (collimation), used in laser pointers, lidar, and free-space optical communication. Lasers can also have high temporal coherence, which permits them to emit light with a very narrow frequency spectrum. Temporal coherence can also be used to produce ultrashort pulses of light with a broad spectrum but durations measured in attoseconds. b38ac21113

Laser lighting display A laser lighting display or laser light show involves the use of laser light to entertain an audience. A laser light show may consist only of projected
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Lasers are used in fiber-optic and free-space optical communications, optical disc drives, laser printers, barcode scanners... b38ac21113

Low-level laser therapy reaction-based medical treatment that applies low-level (low-power) lasers or light-emitting diodes (LEDs) to the surface of the body without
damaging b38ac21113

Laser pointer typical laser pointers make the beam itself invisible in a clean atmosphere, only showing a point of light when striking an opaque surface. Laser pointers
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