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### Integrated Optics Theory And Technology

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### Concentrated solar power - Wikipedia

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### Laser - Wikipedia

1959: Integrated Circuit Bettmann Getty Images The first general-purpose computer, the nearly 30-ton ENIAC (1947), contains 18,000 vacuum tubes, 70,000 resistors and 10,000 capacitors.

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René Descartes (/ d eɪ ˈ k æ r t / or UK: / ˈ d eɪ k æ r t /; French: [ʁəne dekaʁt] (); Latinized: Renatus Cartesius; 31 March 1596 – 11 February 1650: 58 ) was a French philosopher, mathematician, scientist and lay Catholic who invented analytic geometry, linking the previously separate fields of geometry and algebra.He spent a large portion of his working life in the Dutch ...

### René Descartes - Wikipedia

Negative-index metamaterial or negative-index material (NIM) is a metamaterial whose refractive index for an electromagnetic wave has a negative value over some frequency range.. NIMs are constructed of periodic basic parts called unit cells, which are usually significantly smaller than the wavelength of the externally applied electromagnetic radiation.The unit cells of the first ...

### Negative-index metamaterial - Wikipedia

An integrated circuit or monolithic integrated circuit (also referred to as an IC, a chip, or a microchip) is a set of electronic circuits on one small flat piece (or "chip") of semiconductor material, usually silicon. Large numbers of tiny MOSFETs (metal–oxide–semiconductor field-effect transistors) integrate into a small chip.This results in circuits that are orders of magnitude smaller ...

### Integrated circuit - Wikipedia

Ancient and classical history. The knowledge of static electricity dates back to the earliest civilizations, but for millennia it remained merely an interesting and mystifying phenomenon, without a theory to explain its behavior, and it was often confused with magnetism. The ancients were acquainted with rather curious properties possessed by two minerals, amber (Greek: ἤλεκτρον ...

### History of electromagnetic theory - Wikipedia

Optics is the branch of physics that studies the behaviour and properties of light, including its interactions with matter and the construction of instruments that use or detect it. Optics usually describes the behaviour of visible, ultraviolet, and infrared light. Because light is an electromagnetic wave, other forms of electromagnetic radiation such as X-rays, microwaves, and radio waves ...

### Optics - Wikipedia

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### Point spread function - Wikipedia

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### RP Photonics Encyclopedia

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