Swedish optical modulator

An optical modulator is a device which is used to modulate a beam of light. The beam may be carried over free space, or propagated through an optical waveguide (optical fibre).

Optical modulators are devices that modify the properties of light, such as its amplitude, phase, frequency, or polarization, in response to an external signal. These devices play a crucial role ...

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An optical modulator is a device which is used to modulate a beam of light. The beam may be carried over free space, or propagated through an optical waveguide (optical fibre). Depending on the parameter of a light beam which is manipulated, modulators may be categorized into amplitude modulators, phase modulators, polarization modulators, etc. The easiest way to obtain modulation of intensity of a light beam is to modulate the current driving the light source, e.g. a laser diode. This sort of modulation is c...

As explained in the introduction, a Mach-Zehnder modulator is based on a Mach-Zehnder interferometer (MZI), which splits the light in two branches and then recombines them by interference. In each ...

This page describes the basic purpose of optical modulators and semiconductor materials suitable for drive amplifiers.

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