

questions about light

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Dear all,

I do have some simple questions about light and its properties:

1. How a light ray can be divided into 2 or more sub-rays which have the same wave length? What devices are available for this?
2. How can I change the wave-length of a given light ray? What is the greatest precision achieved for this operation?
3. How do I measure the wave length of a light ray?
4. How many rays having different wave-length can travel (in the same time) through an optical fiber cable?

Thanks,
Laura

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