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stands for light Amplification by Stimulated Emission of
Radiation. The theoretical basis for the development of
laser was provided by Albert Einstein in 1917. In 1960,
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1.

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The first HeNe-Laser, a gas laser followed in 1961. It is a gas laser built by Ali Javan at MIT, with a wavelength of 632.8 nm and a linewidth of only 10kHz. The basic principle of an oscillator is a feedback circuit that is unstable, i.e. there is positive feedback at certain frequencies or certain frequency ranges, see Figure 7.2.

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