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## Stabilization of diode-laser frequency to atomic transitions

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Keywords

laser stabilization, dichroism

Abstract

Different methods of stabilization of diode lasers are reviewed with the emphasis on stabilization to atomic transitions. The stabilization methods to Doppler-broadened and Doppler-free resonances are presented. A novel method of stabilization using the saturated dichroism of atomic vapours is described. An example of stability transfer from the diode laser onto the reference Fabry-Perot cavity is presented.



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