



W. Demtröder, *Laserspektroskopie: Grundlagen und Techniken*, 5th Ed. (Springer, Berlin, 2007).

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Book Review

Laser Spektroskopie: Grundlagen und Techniken by Wolfgang Demtröder is a thorough reference and consulting book for any experimentalist in the field. It explains modern laser spectroscopy using classical optics and atom physics. The book explains clearly the different techniques and methods of laser spectroscopy. The instrumentation is clearly presented and explained. The book shows the power of laser spectroscopy in reference to atom and molecular physics based on very concrete examples. Theories are clearly explained and are well accompanied with numerical examples. Most of the experiments such as laser absorption, saturated absorption spectroscopy, modulation spectroscopy, collisions, molecular beams, etc., described by Demtröder, can be easily repeated by an experimentalist that is starting in the field. The book gives all the details required and does not hide the "know how" required for studying atoms and molecules with tunable lasers. This is a very motivating book for any experimentalist that is starting in the field and a necessary consulting book for any advanced laser spectroscopy laboratory. Hence, *Laser Spektroskopie: Grundlagen und Techniken* is highly recommended.

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