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Physics with Video Analysis e-Book

CHF 72.72 *

Inhalt: 1 Stück

inkl. MwSt. [zzgl. Versandkosten](#)

In der Regel an Lager, Lieferzeit ca. 1-3 Werktage

Produktinformationen "Physics with Video Analysis e-Book"

This book contains a wide selection of video analysis activities for introductory physics at either the high school or college level, including kinematics, dynamics, circuits, sound, electrostatics, and more.

The Physics with Video Analysis book is a product of the NSF-funded LivePhoto Project. For more information, see <http://livephoto.rit.edu/>.

Four sample activities are available as a free download.

- **Pool Ball** uses a video of a ball bouncing from the edge of a pool table. Students investigate the meaning of average speed and average velocity in a two-dimensional environment.
- **Impulsive Juggling** includes a video of a professional juggler. Students consider ball motion in free fall and during the throws.
- **Sonic Doppler** supplies a video of a car passing a microphone. FFTs of the sound recording, along with video analysis of the car motion, are used to observe the doppler effect.

- **RC Decay** combines video and sensor records of an RC circuit to measure time constants and capacitance.

Download here the sample

activities: http://www.vernier.com/files/sample_labs/lppp.zip

Fach: Informatik, Physik, Vernier

Sprache: English

Weiterführende Links zu "Physics with Video Analysis e-Book"

- [- Fragen zum Artikel?](#)
- [- Weitere Artikel von Vernier Science Education](#)