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【42】 Kaleidoscope of a historical physics collection

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The historical physics collection at the University of Vienna offers numerous possibilities to study basic concepts and important developments of physics. Historical instruments and objects come to life in experiments. Many of them still work and make fascinating experiments. The following devices are shown briefly by means of photos or video: the flame probe with the electroscope, the Atwood machine, Lippich's falling apparatus, Maxwell's wheel, birefringence in artfully designed gypsum crystals and stressed glasses, the string galvanometer, the Page motor, a grating spectrograph, a vibration microscope and a tuning fork interrupter. Where it is helpful, some mathematics is also given.

Theoretical Work

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