



Análisis de las oscilaciones amortiguadas de un péndulo de torsión casero usando el software libre Tracker durante la enseñanza remota [

2024

text (article)

Analítica

Teaching damped simple harmonic motion (shm) is a pedagogical challenge that requires additional strategies for the teaching and learning process of the associated physical concepts and mathematical structures, thus representing a greater effort in a non-face-to-face mode. A pedagogical guide for remote work was implemented, based on the homemade torsion pendulum model, supported by computational, digital, and ict tools for the study of damped shm. The experiment was conducted with three cohorts of second-year Physics students. It was demonstrated that the torsion pendulum is a valid model for learning concepts associated with damped harmonic motion and for developing competencies in experimental work

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Editorial: 2024

Tipo Audiovisual: oscilador amortiguado coeficiente de amortiguamiento cuerpo rígido momento de inercia constante de torsión Damped Oscillator Damping Coefficient Rigid Body Moment of Inertia Torsion Constant
oscilador amortecido coeficiente de amortecimiento corpo rígido momento de inércia constante de torção

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