

Abstract Submitted
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Properties of Threaded Rod Torsion Pendulums ALEXANDRA ATALIS, JAVID OMAR, Lake Highlands High School — Threaded rod torsion pendulums provide an inexpensive and reasonably low-mass approach to the study of torsion pendulums in AP Physics. Characteristics such as the relationship between the torsion constant and the length and diameter of the torsion rod can be easily determined with the use of threaded rods. They can also be used for the study of damping and driven effects in torsion systems. Since the rotational inertia of a torsion pendulum is central to its behavior, the use of threaded rod systems increases the facility with which this concept can be studied.

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