Modelos para EJS en la librería

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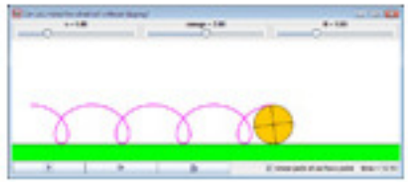

Classical Mechanics: Rotational Dynamics: Rotational Energy:

Kinematics of a Translating and Rotating Wheel Model

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The Ejs Kinematics of a Translating and Rotating Wheel model displays the model of wheel rolling on a floor. By controlling three variables, the kinematics of the wheel can be changed to represent sliding, rolling with sliding, rolling without slipping, rolling with slipping, and spinning. The translational velocity of the wheel, the rotational velocity of the wheel, and the radius of the wheel can be changed via sliders. You can modify this simulation if you have Ejs installed by right-clicking within the plot and selecting "Open Ejs Model" from the pop-up menu item.

Ejs Kinematics of a Translating and Rotating Wheel model was created using the Easy Java Simulations (Ejs) modeling tool. It is distributed as a ready-to-run (compiled) Java archive. Double clicking the ejs_kinematics_translation_rotation.jar file will run the program if Java is installed. Ejs is a part of the Open Source Physics Project and is designed to make it easier to access, modify, and generate computer models. Additional Ejs models for classical mechanics are available. They can be found by searching ComPADRE for Open Source Physics, OSP, or Ejs.

Información adicional acerca de este modelo en:
http://www.compadre.org/osp/items/detail.cfm?ID=8241

Tamaño de la descarga: 35817 bytes

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