

energy with the final mechanical energy of the cylinders, conservation of translational and rotational mechanical energy, tables, graphs, trend line, function, etc.

Knowledge areas

Physics

Key Experiments

The movement and the trajectory.

What are the characteristics of the MRU?

The meeting of two pieces of furniture in MRU with opposite directions, on the same path.

The MRUV and its characteristics.

The frictional forces and Newton's first law of motion

The determination of the sliding static and kinetic friction coefficient

The equilibrium of a moving object on an inclined plane

The mechanical advantage of a simple machine, inclined plane

Conservation of mechanical energy, moment of inertia.

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