USER MANUAL:

MAVE

ele(MEME) Ltd.

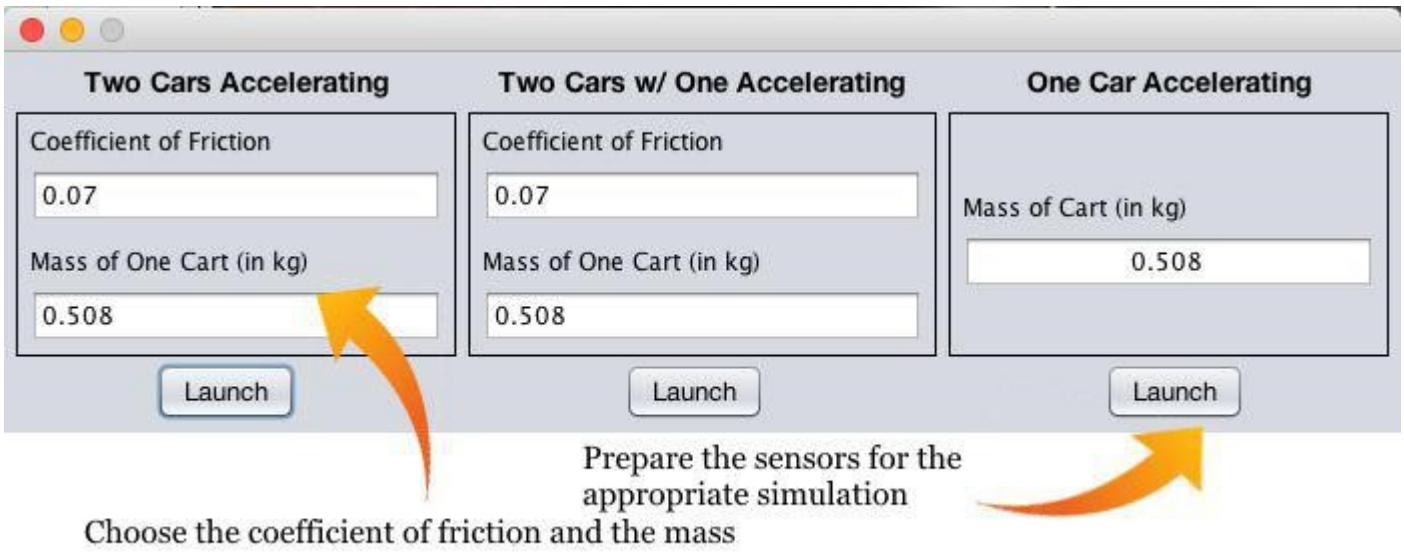
User Manual

Welcome to Mave the ultimate physics cart simulation program. This program can calculate the momentum, speed and kinetic energy of the carts during 1D acceleration and collisions.

Start Menu:

To change settings:

You can change the coefficients of friction and input masses of carts when you click the settings on the main menu.

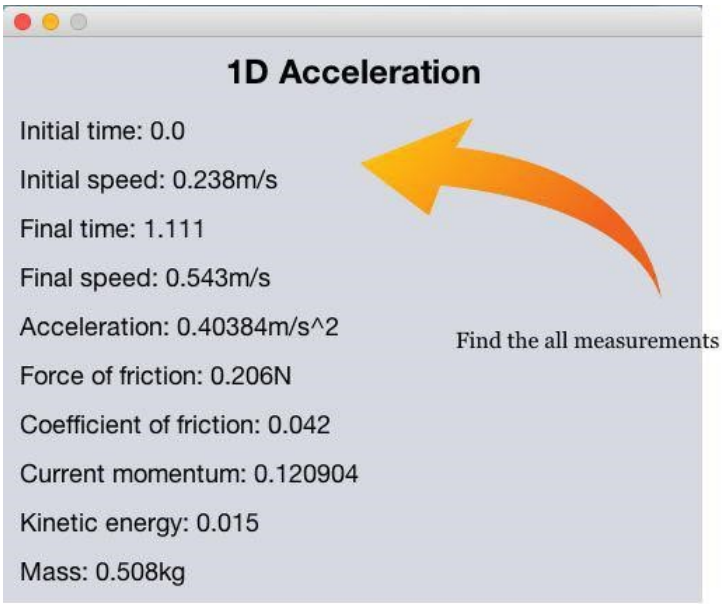


1D Acceleration:

1: Put one cart on the track.

2: Push the cart so that it goes the full length of the track.

3: Observations and calculated values will be shown on the screen.:

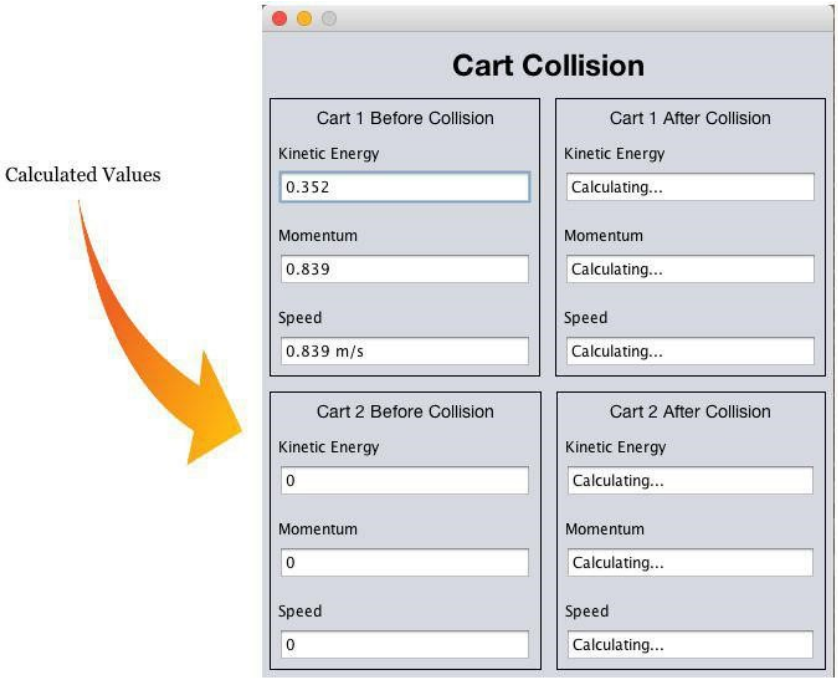


Collision with Two Moving Cars:

1: Put two cars on opposite sides and equally far from the middle track.

2: Push the cars so that the cars collide near the middle of the track.

3: Observations and calculated values will be shown on the screen:



Collision with a Stationary Car

1: Put a stationary cart in the exact middle of the track.

2: Push a cart from one side of the track so that it collides with the stationary cart.

3: Observations and calculated values will be shown on the screen.

AND WHEN YOU'RE FEELING LONELY

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