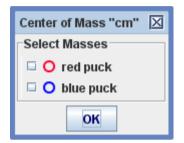
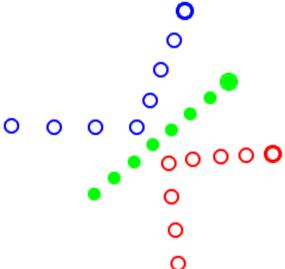


Multiple and extended objects

Center of mass



- Multiple pointmass tracks
- •Steps are determined by positions and masses of pointmass tracks
- Solid footprint



Useful resources:

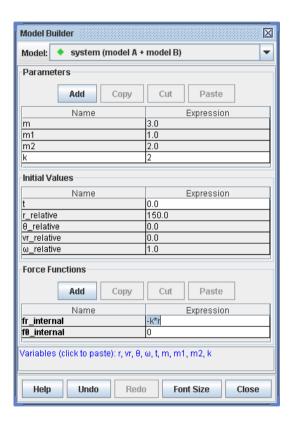
Tracker Help: center of mass

Elastic collision TRZ

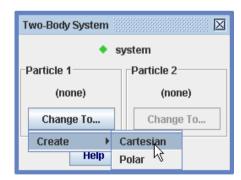


Multiple and extended objects

Two-body system models



- •Join two dynamic particle models
- Define internal forces
- •Initial state = relative r, vr, θ , ω
- •System position = cm



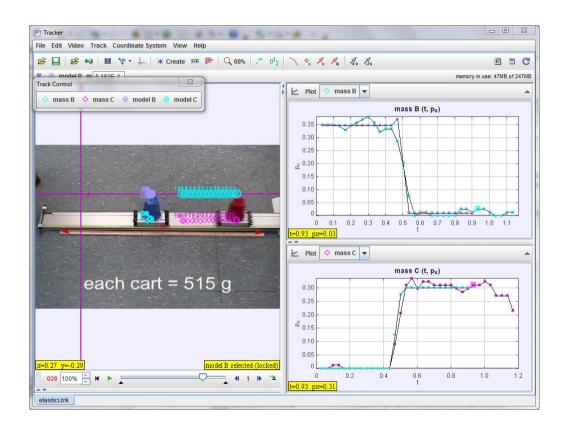
Useful resources:

Tracker Help: particle models



Multiple and extended objects

Collisions

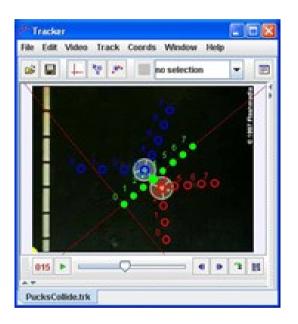


Useful resources: Collision force model TRZ



Coordinate systems

Reference frames, world views



Useful resources:

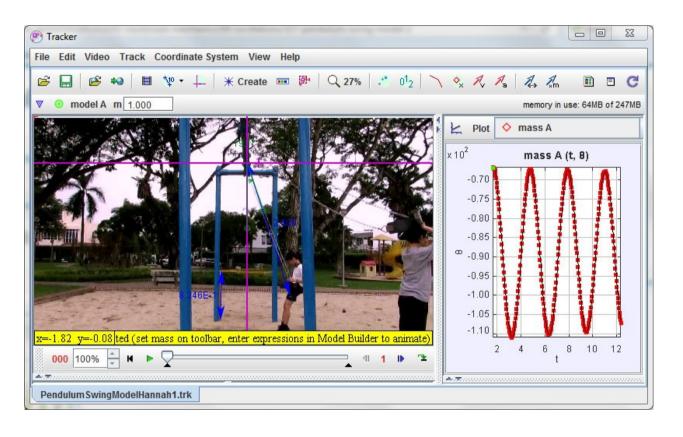
Tracker Help: coordinate system

DL browser: PucksCollide.zip



Coordinate systems

Polar coordinates



Useful resources:

Pendulum swing model TRZ