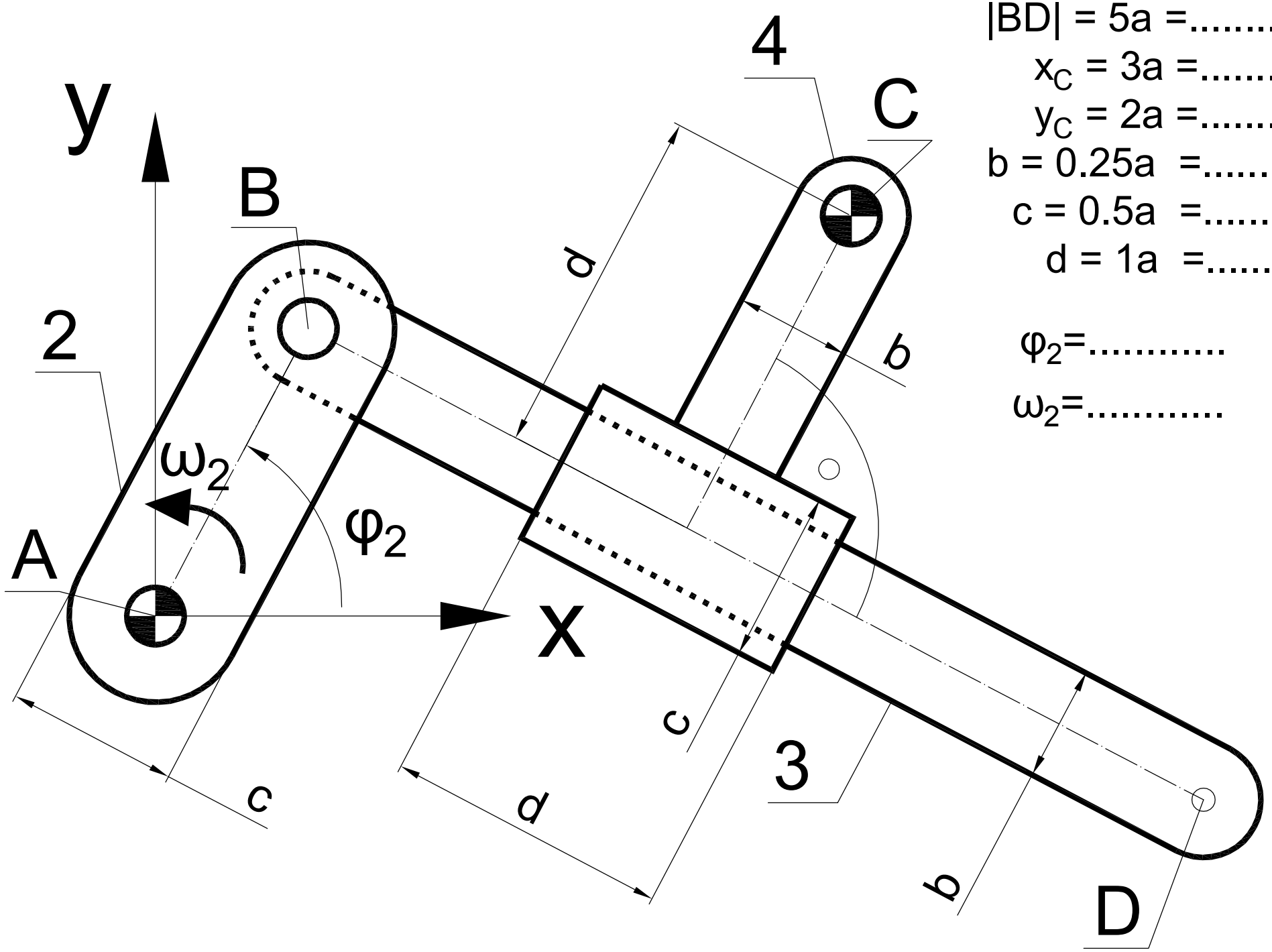


|AB| = 1a =.....

|BD| = 5a =.....

x_C = 3a =.....

y_C = 2a =.....

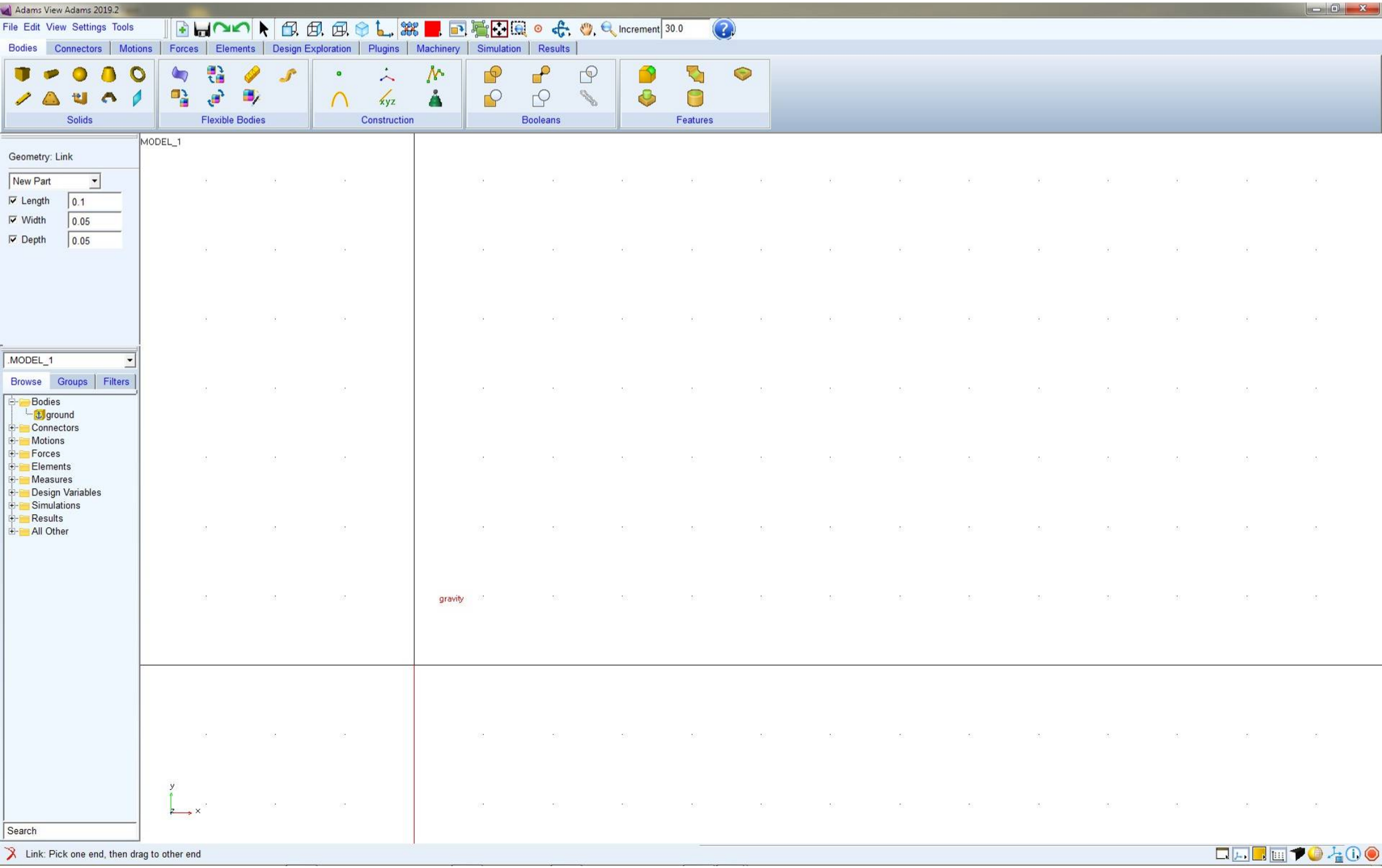
b = 0.25a =.....

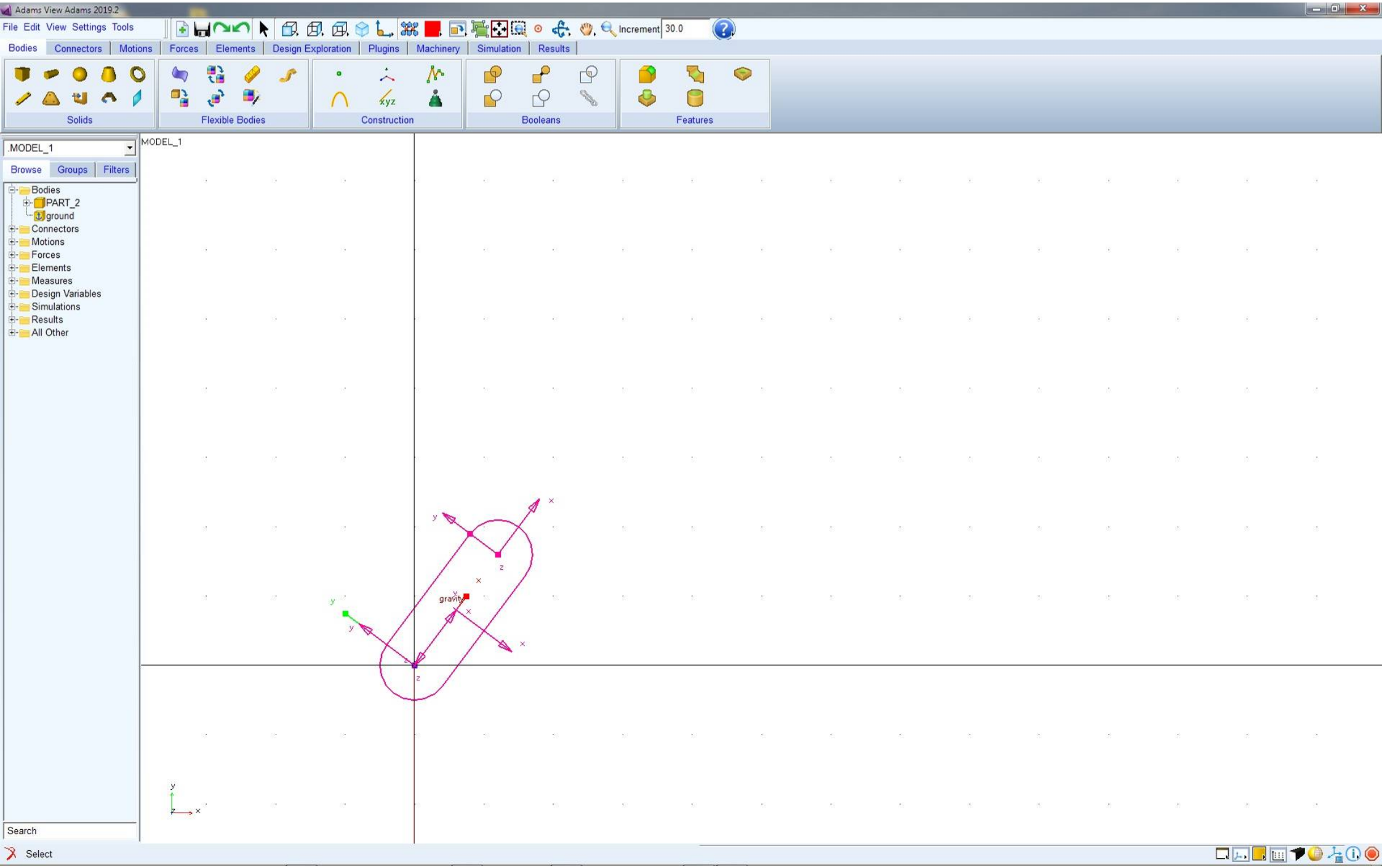
c = 0.5a =.....

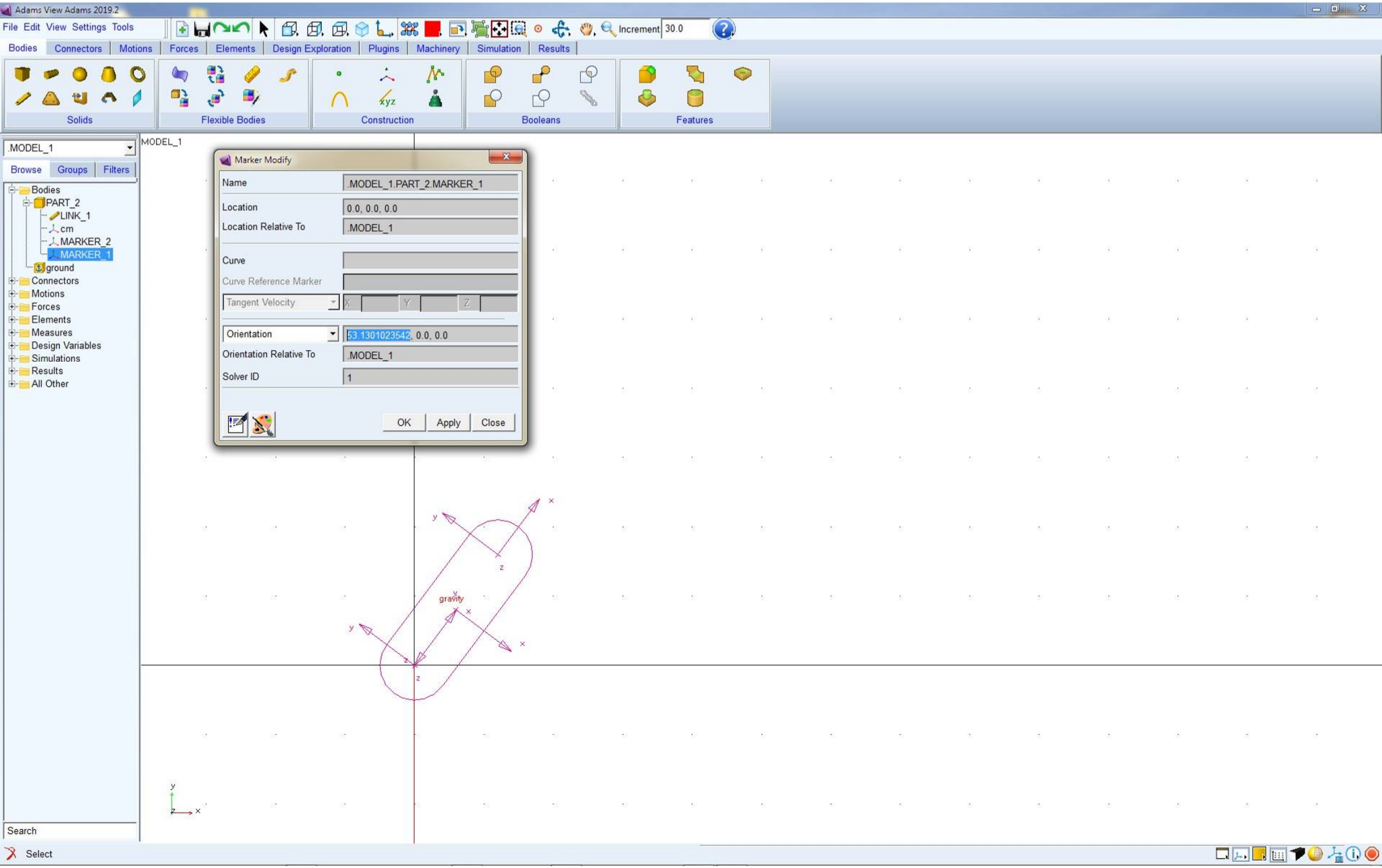
d = 1a =.....

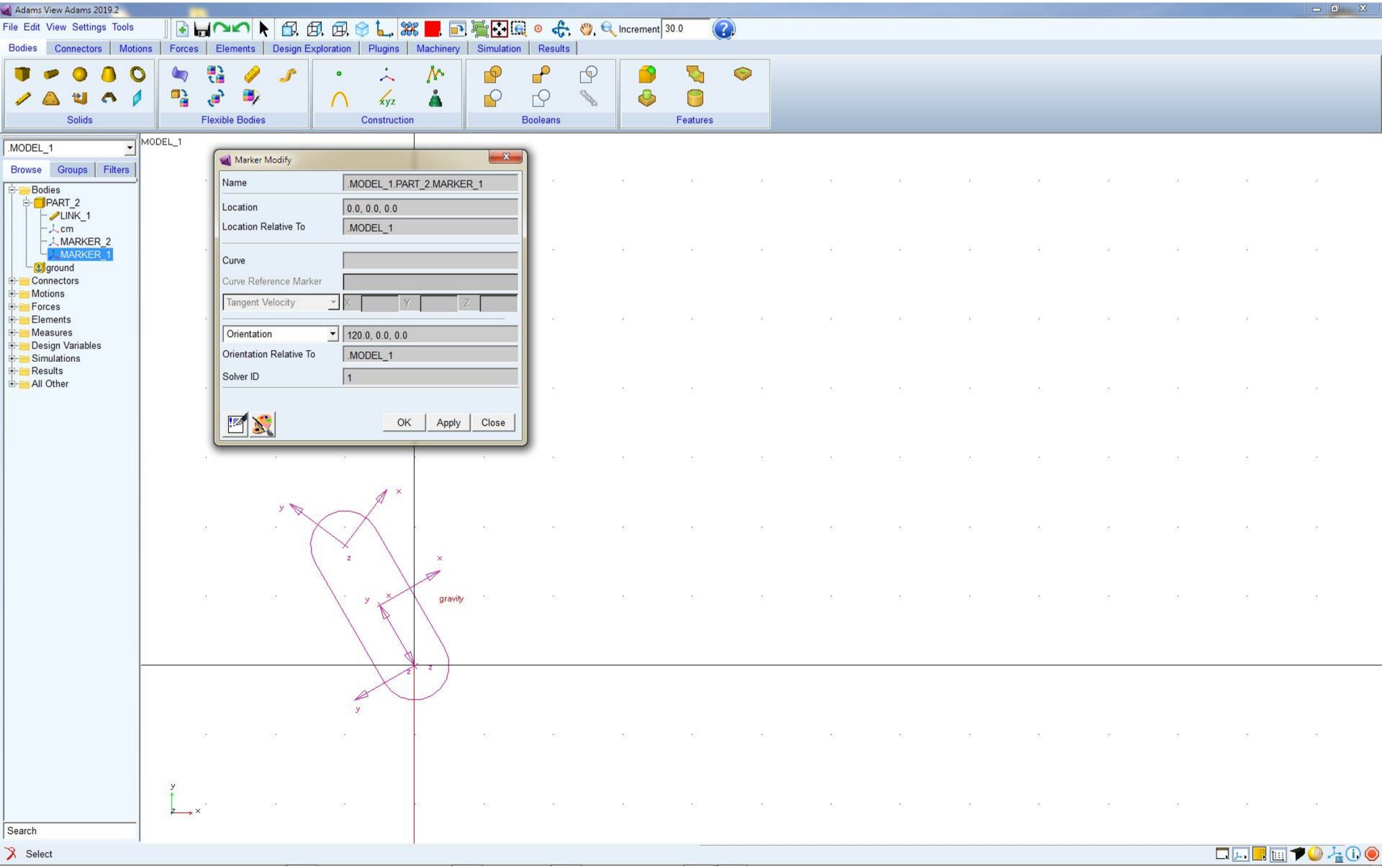
φ_2=.....

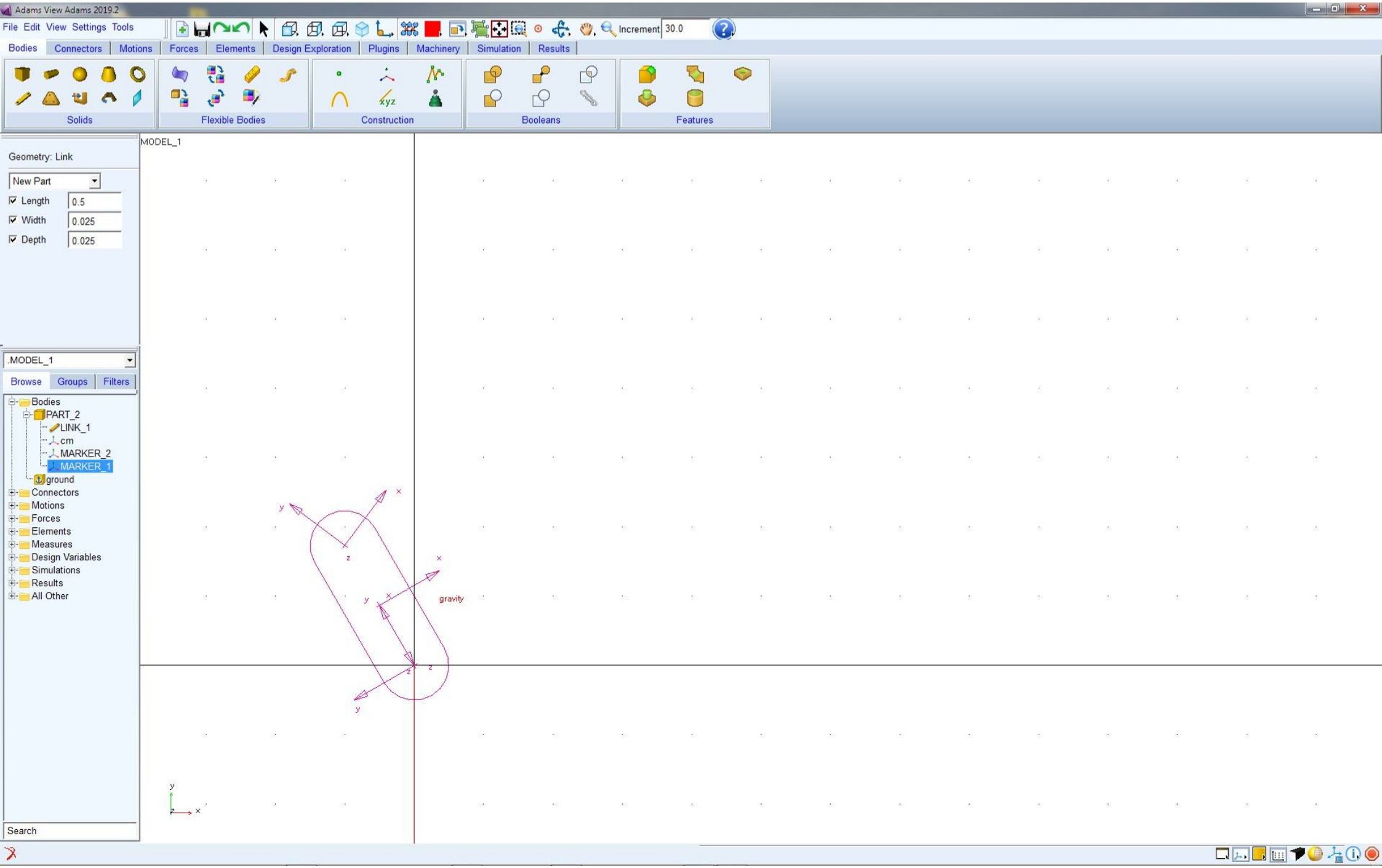
ω_2=.....

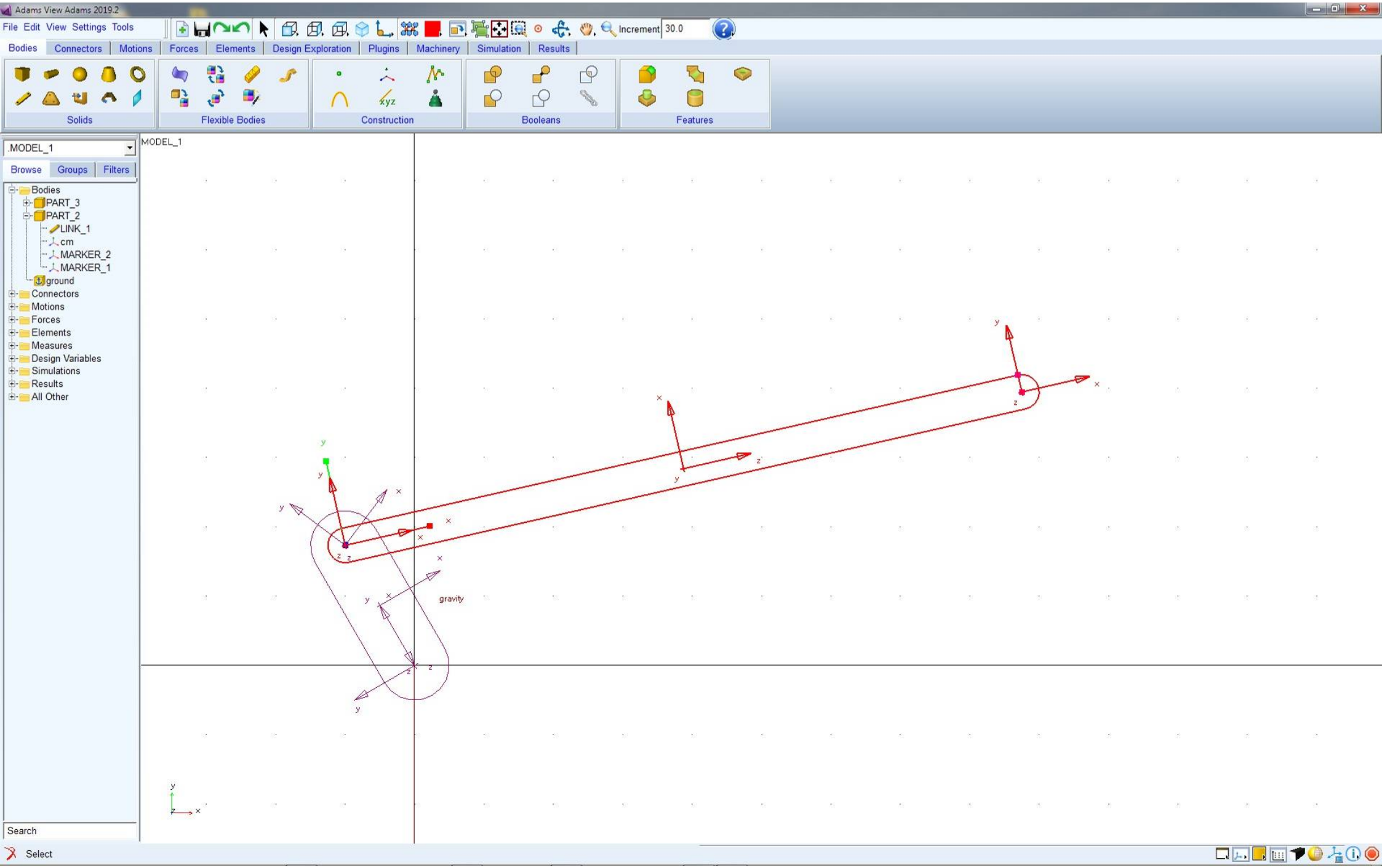

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Solids
Flexible Bodies
Construction
Booleans
Features
Geometry: Link
New Part
Length 0.1
Width 0.05
Depth 0.05
MODEL_1
.MODEL_1
Browse Groups Filters
Bodies
ground
Connectors
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
gravity
Link: Pick one end, then drag to other end

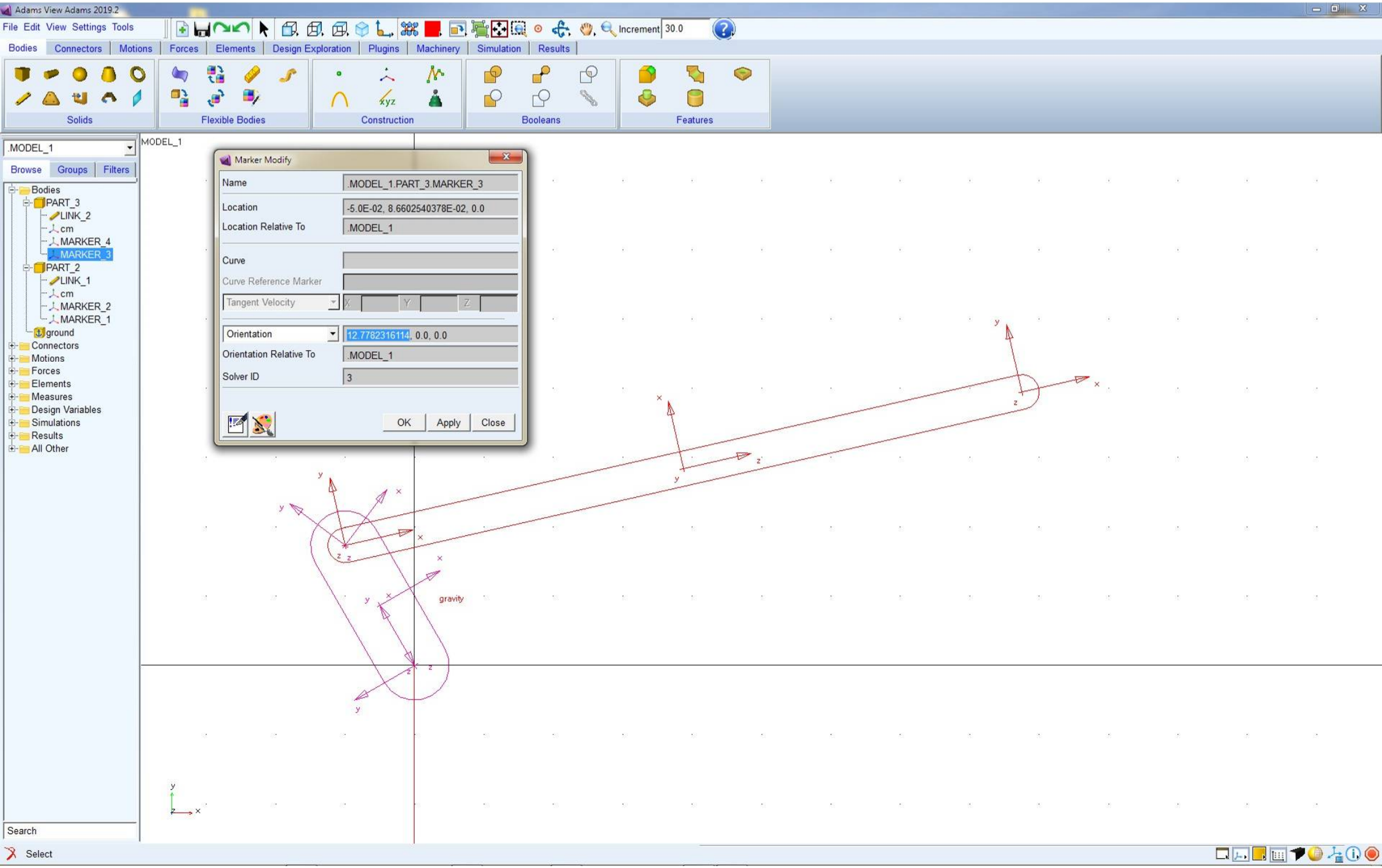

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies
Connectors
Motions
Forces
Elements
Design Exploration
Plugins
Machinery
Simulation
Results
Solids
Flexible Bodies
Construction
Booleans
Features
.MODEL_1
Browse
Groups
Filters
Bodies
PART_2
ground
Connectors
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
MODEL_1
gravity
Search
Select

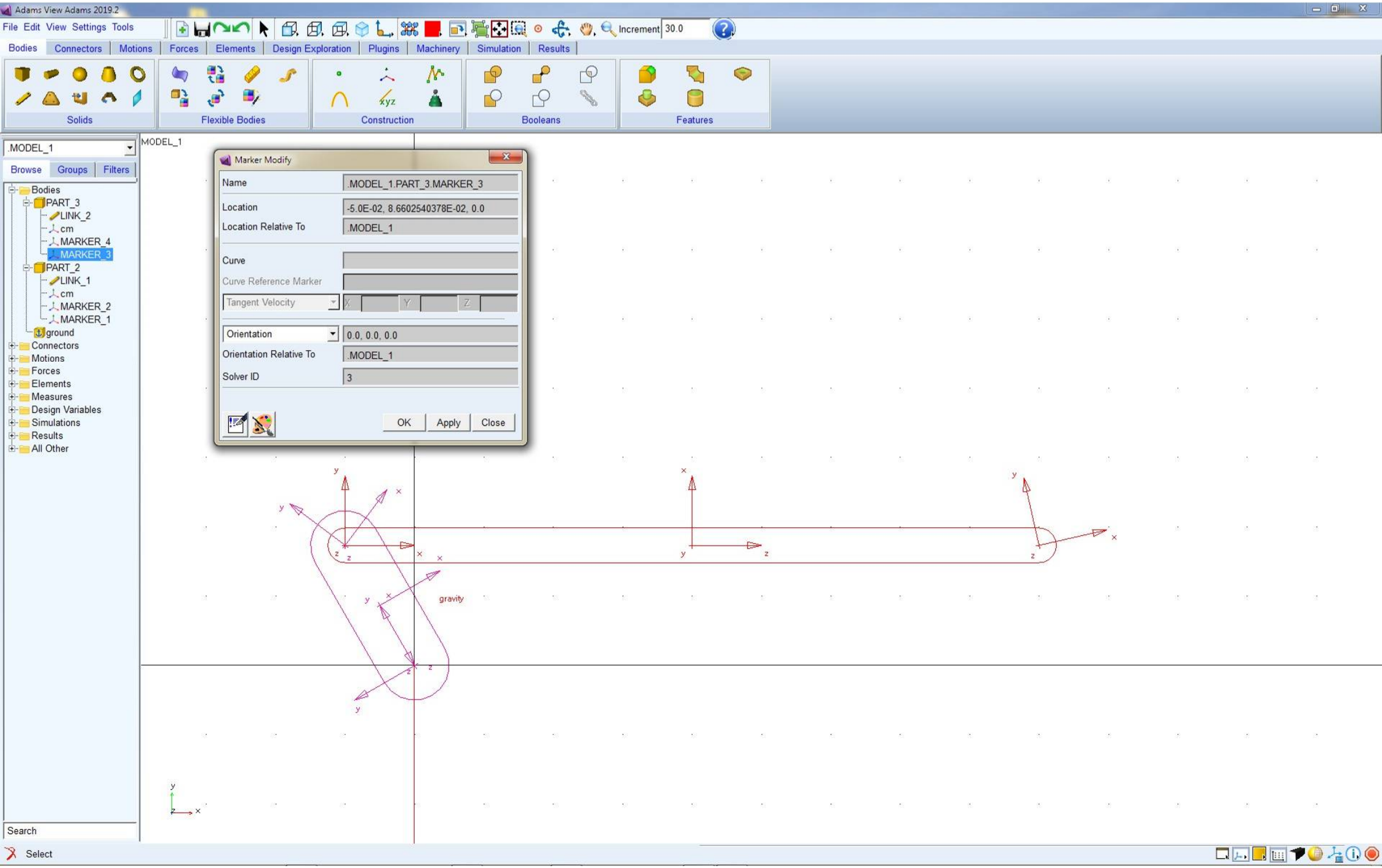

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Solids
Flexible Bodies
Construction
Booleans
Features
.MODEL_1
Browse Groups Filters
Bodies
PART_2
LINK_1
cm
MARKER_2
MARKER_1
ground
Connectors
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
MODEL_1
Marker Modify
Name .MODEL_1.PART_2.MARKER_1
Location 0.0, 0.0, 0.0
Location Relative To .MODEL_1
Curve
Curve Reference Marker
Tangent Velocity X Y Z
Orientation 53.1301023542, 0.0, 0.0
Orientation Relative To .MODEL_1
Solver ID 1
OK Apply Close
gravity
Select

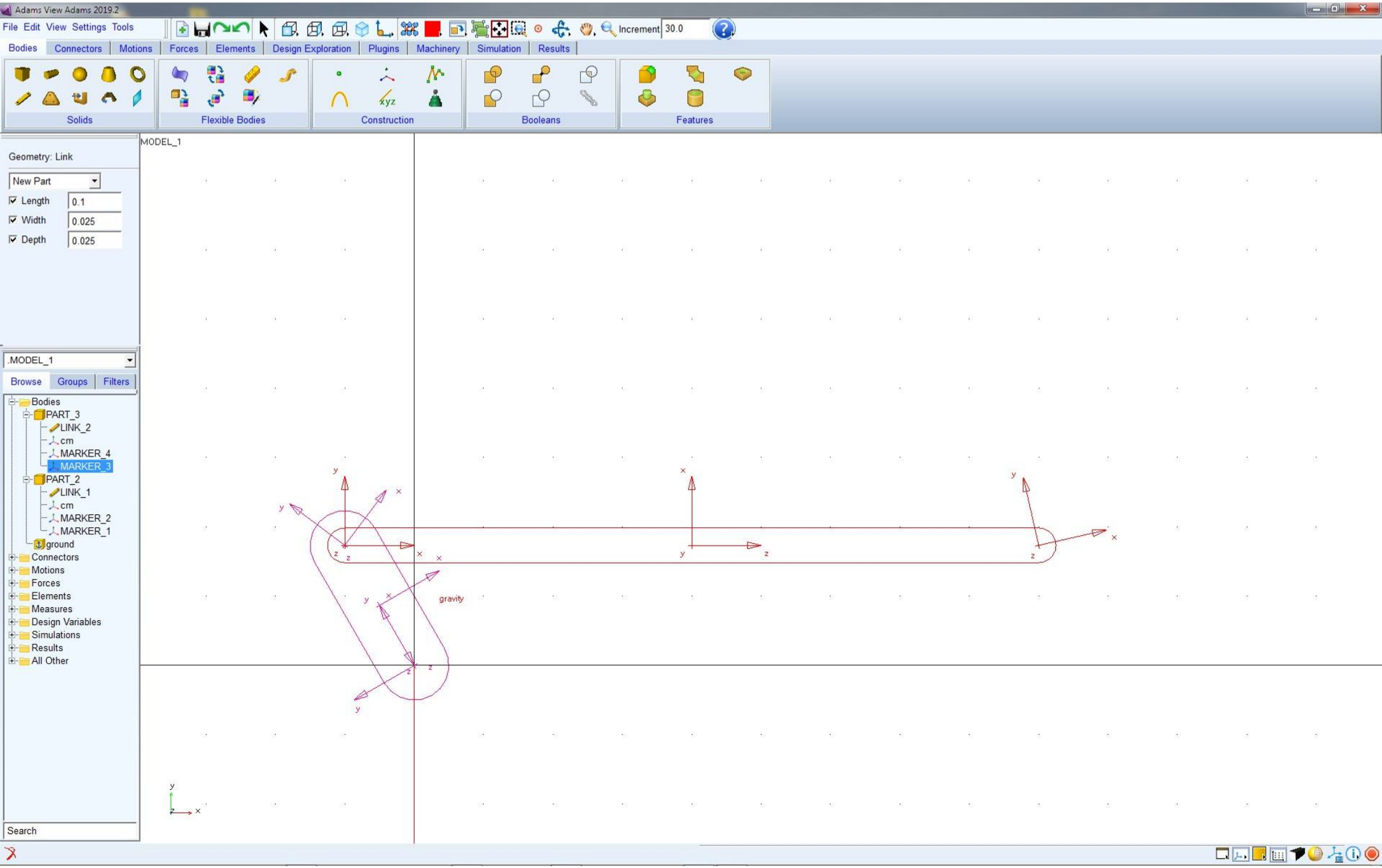

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Solids
Flexible Bodies
Construction
Booleans
Features
.MODEL_1
Browse Groups Filters
Bodies
PART_2
LINK_1
cm
MARKER_2
MARKER_1
ground
Connectors
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
MODEL_1
Marker Modify
Name .MODEL_1.PART_2.MARKER_1
Location 0.0, 0.0, 0.0
Location Relative To .MODEL_1
Curve
Curve Reference Marker
Tangent Velocity X Y Z
Orientation 120.0, 0.0, 0.0
Orientation Relative To .MODEL_1
Solver ID 1
OK Apply Close
gravity
Select

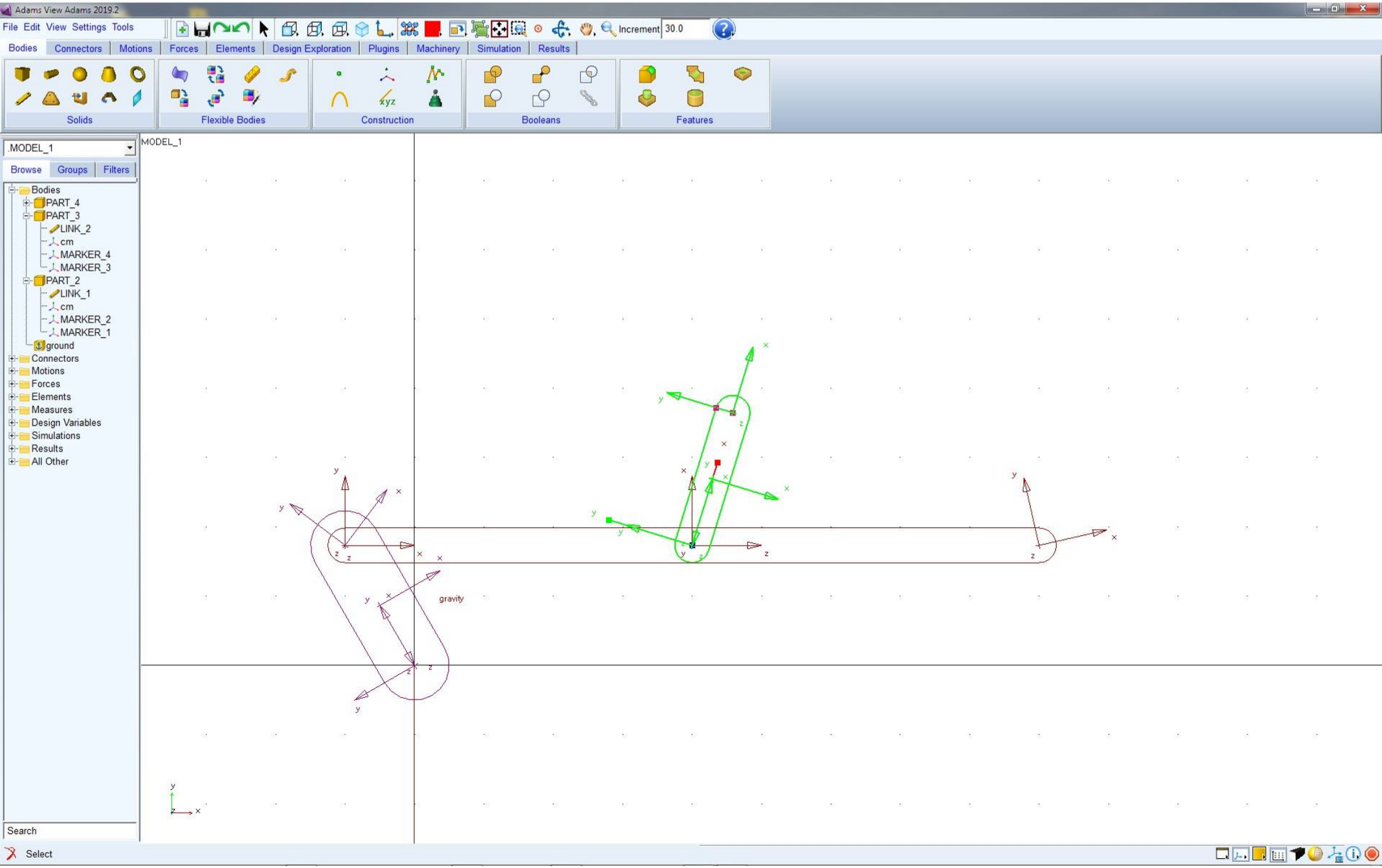

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Solids
Flexible Bodies
Construction
Booleans
Features
Geometry: Link
New Part
Length 0.5
Width 0.025
Depth 0.025
MODEL_1
.MODEL_1
Browse Groups Filters
Bodies
PART_2
LINK_1
cm
MARKER_2
MARKER_1
ground
Connectors
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
gravity

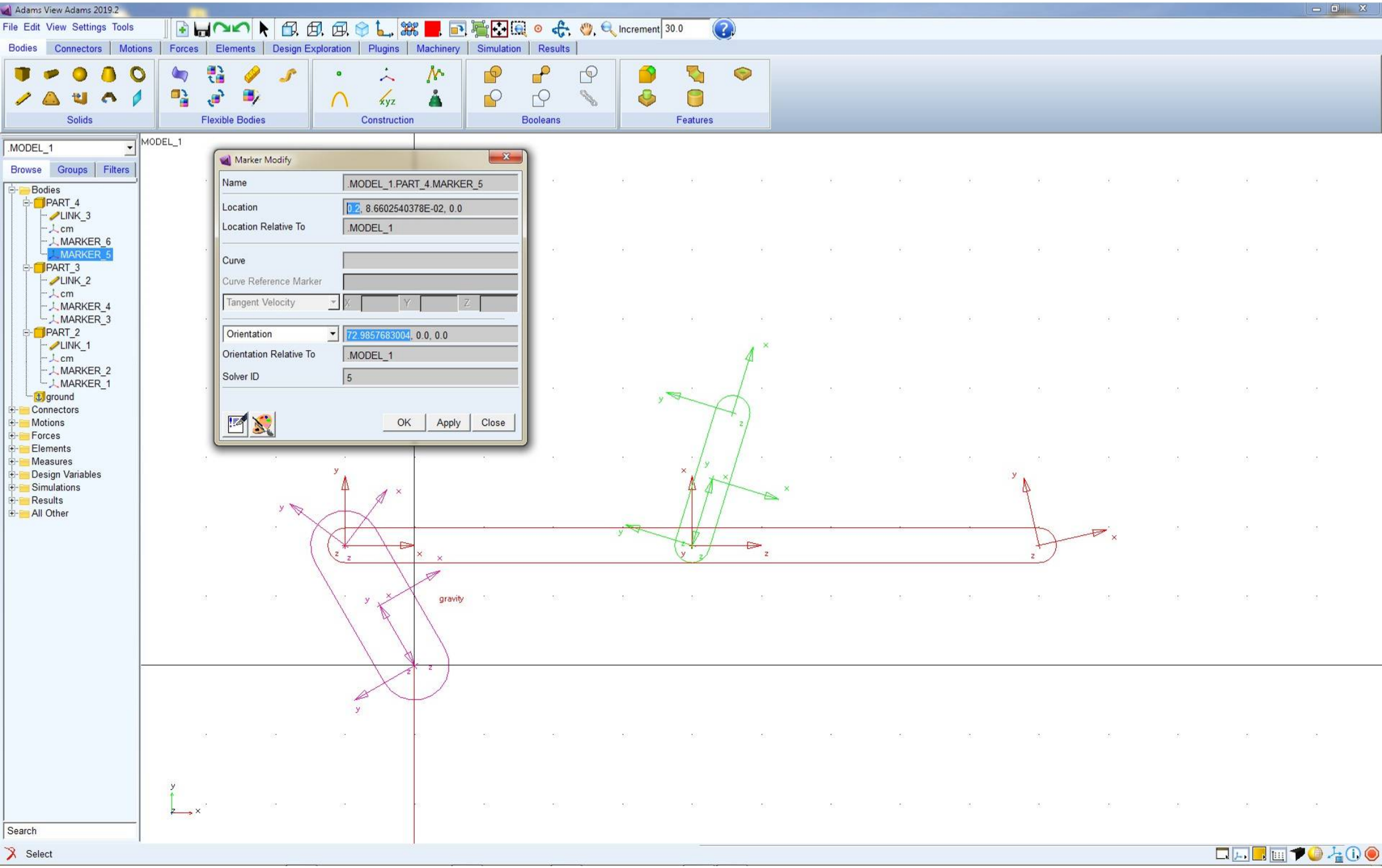

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Solids
Flexible Bodies
Construction
Booleans
Features
.MODEL_1
Browse Groups Filters
Bodies
PART_3
PART_2
LINK_1
cm
MARKER_2
MARKER_1
ground
Connectors
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
MODEL_1
gravity
Search
Select

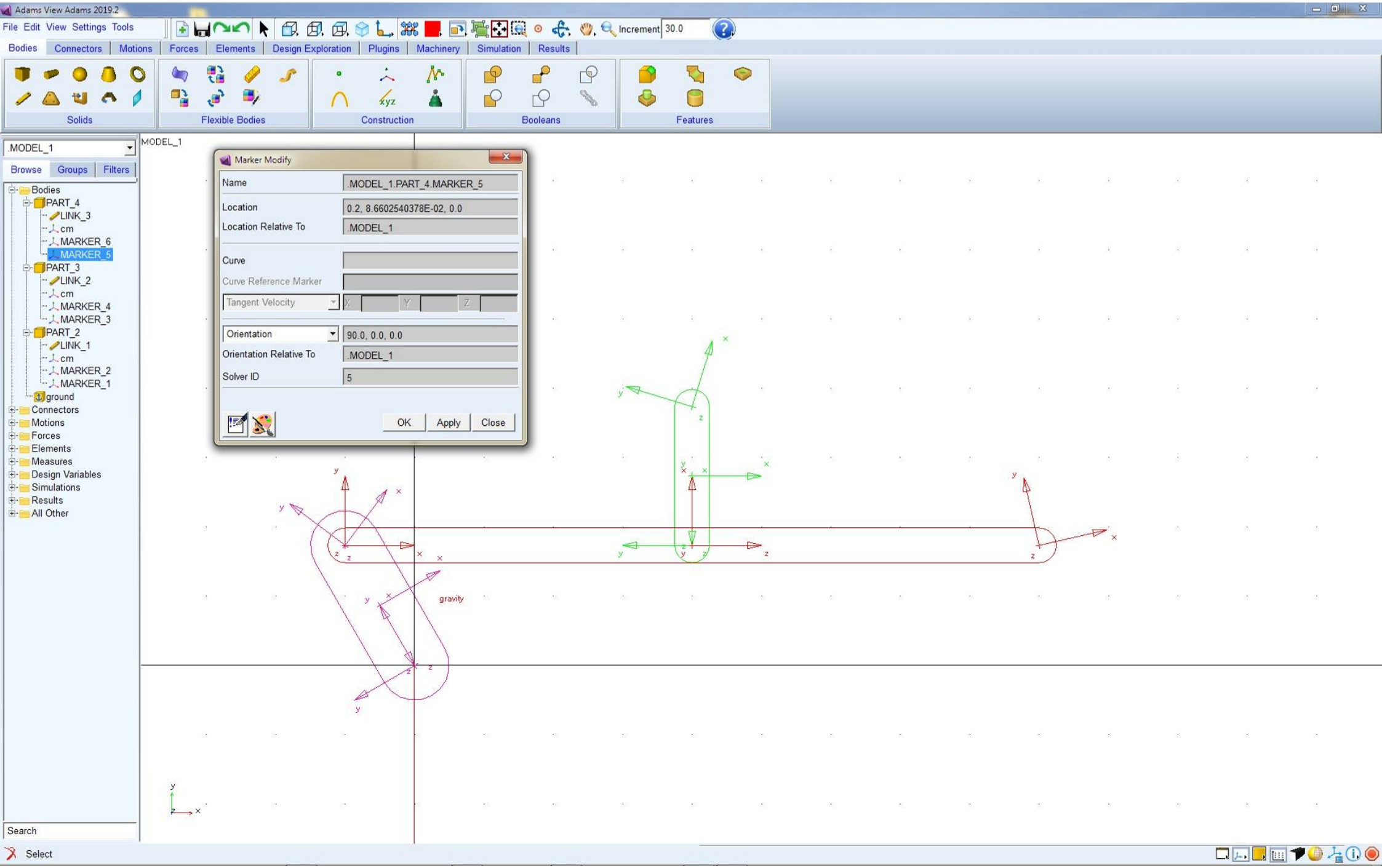

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Solids
Flexible Bodies
Construction
Booleans
Features
.MODEL_1
Browse Groups Filters
Bodies
PART_3
LINK_2
cm
MARKER_4
MARKER_3
PART_2
LINK_1
cm
MARKER_2
MARKER_1
ground
Connectors
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
MODEL_1
Marker Modify
Name .MODEL_1.PART_3.MARKER_3
Location -5.0E-02, 8.6602540378E-02, 0.0
Location Relative To .MODEL_1
Curve
Curve Reference Marker
Tangent Velocity X Y Z
Orientation 12.7782316114, 0.0, 0.0
Orientation Relative To .MODEL_1
Solver ID 3
OK Apply Close
gravity
Select

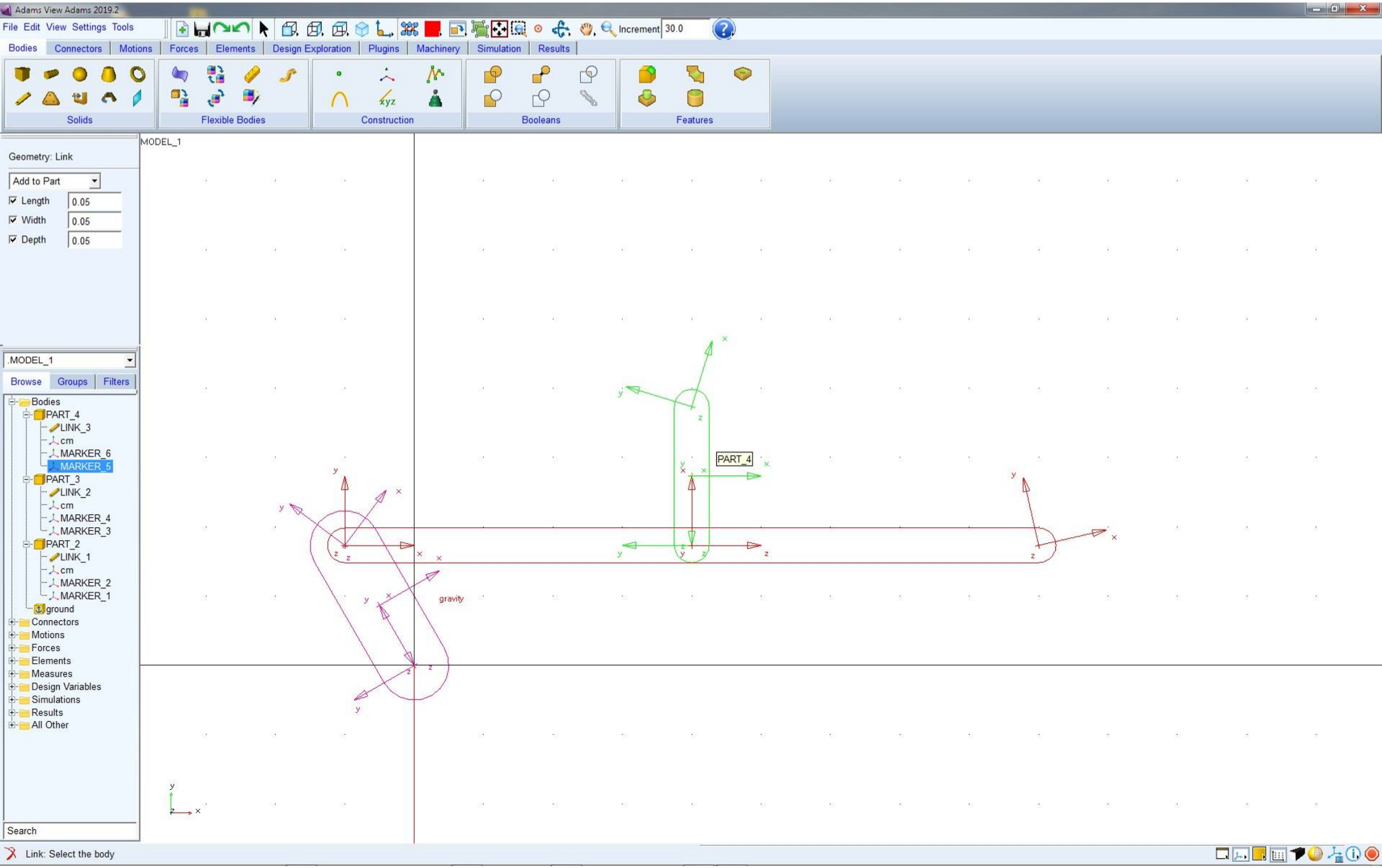

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Solids
Flexible Bodies
Construction
Booleans
Features
.MODEL_1
Browse Groups Filters
Bodies
PART_3
LINK_2
cm
MARKER_4
MARKER_3
PART_2
LINK_1
cm
MARKER_2
MARKER_1
ground
Connectors
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
MODEL_1
Marker Modify
Name .MODEL_1.PART_3.MARKER_3
Location -5.0E-02, 8.6602540378E-02, 0.0
Location Relative To .MODEL_1
Curve
Curve Reference Marker
Tangent Velocity X Y Z
Orientation 0.0, 0.0, 0.0
Orientation Relative To .MODEL_1
Solver ID 3
OK Apply Close
gravity
Select

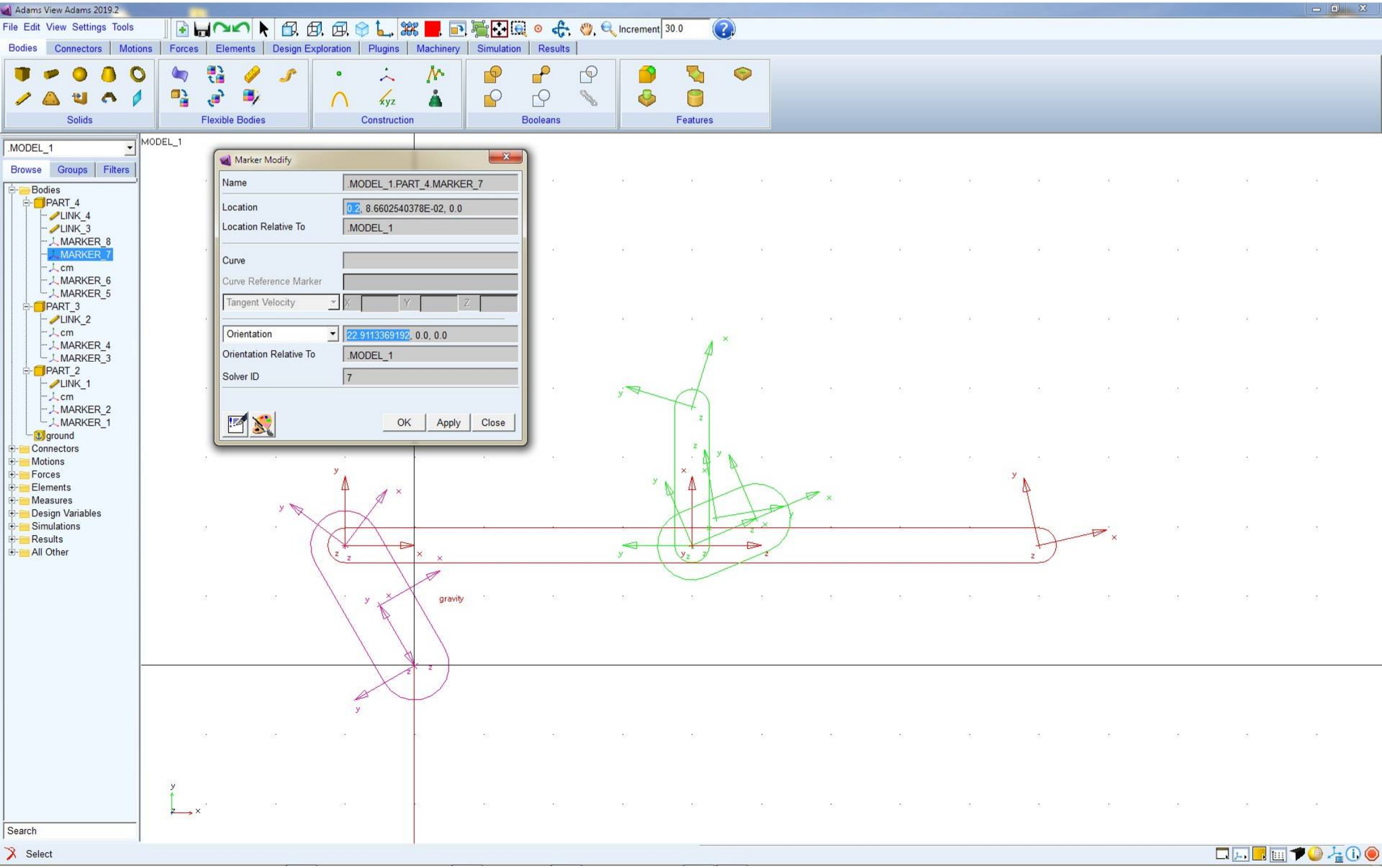

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Solids
Flexible Bodies
Construction
Booleans
Features
Geometry: Link
New Part
Length 0.1
Width 0.025
Depth 0.025
MODEL_1
.MODEL_1
Browse Groups Filters
Bodies
PART_3
LINK_2
cm
MARKER_4
MARKER_3
PART_2
LINK_1
cm
MARKER_2
MARKER_1
ground
Connectors
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
gravity

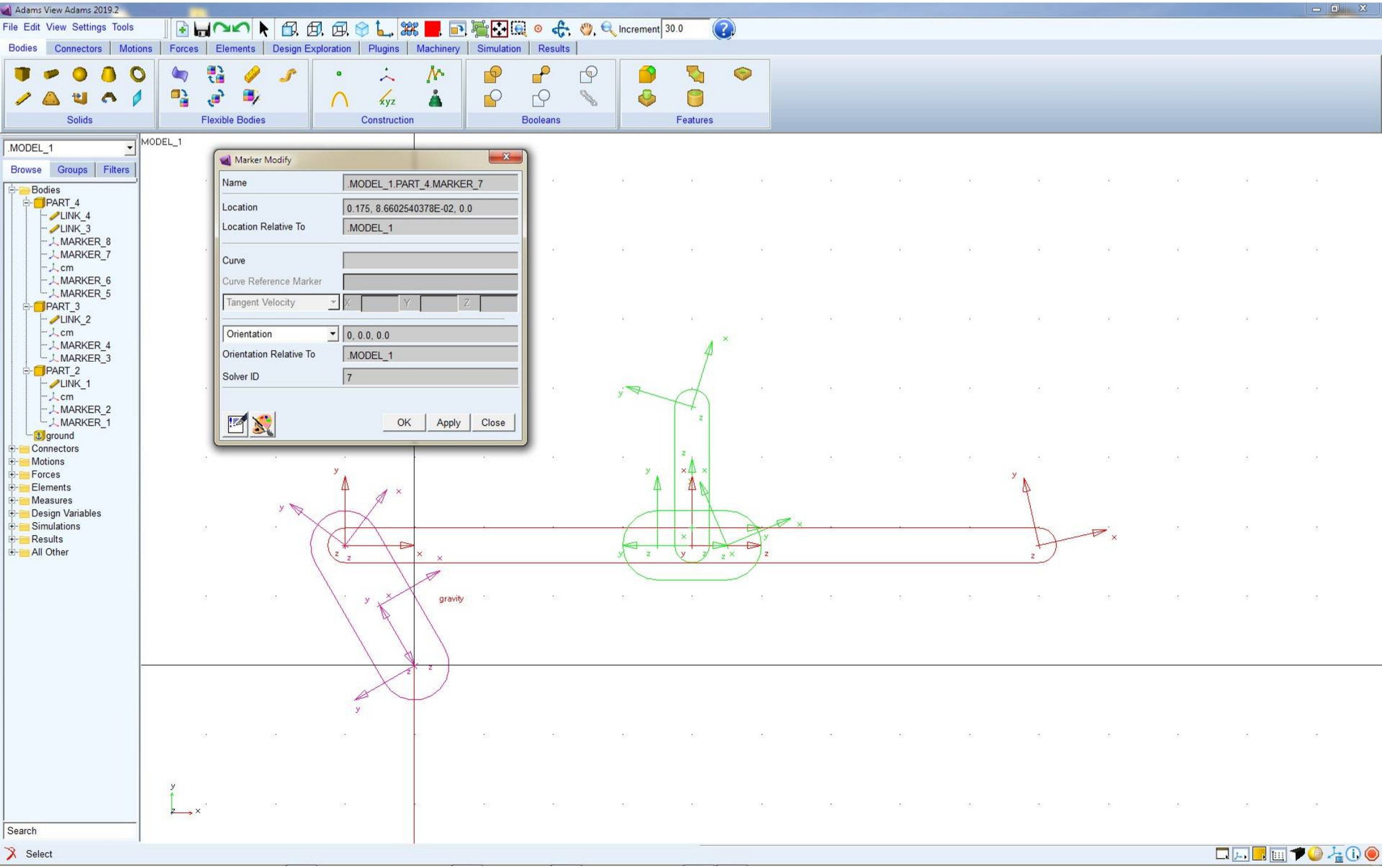

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Solids
Flexible Bodies
Construction
Booleans
Features
.MODEL_1
Browse Groups Filters
Bodies
PART_4
PART_3
LINK_2
cm
MARKER_4
MARKER_3
PART_2
LINK_1
cm
MARKER_2
MARKER_1
ground
Connectors
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
MODEL_1
gravity
Select

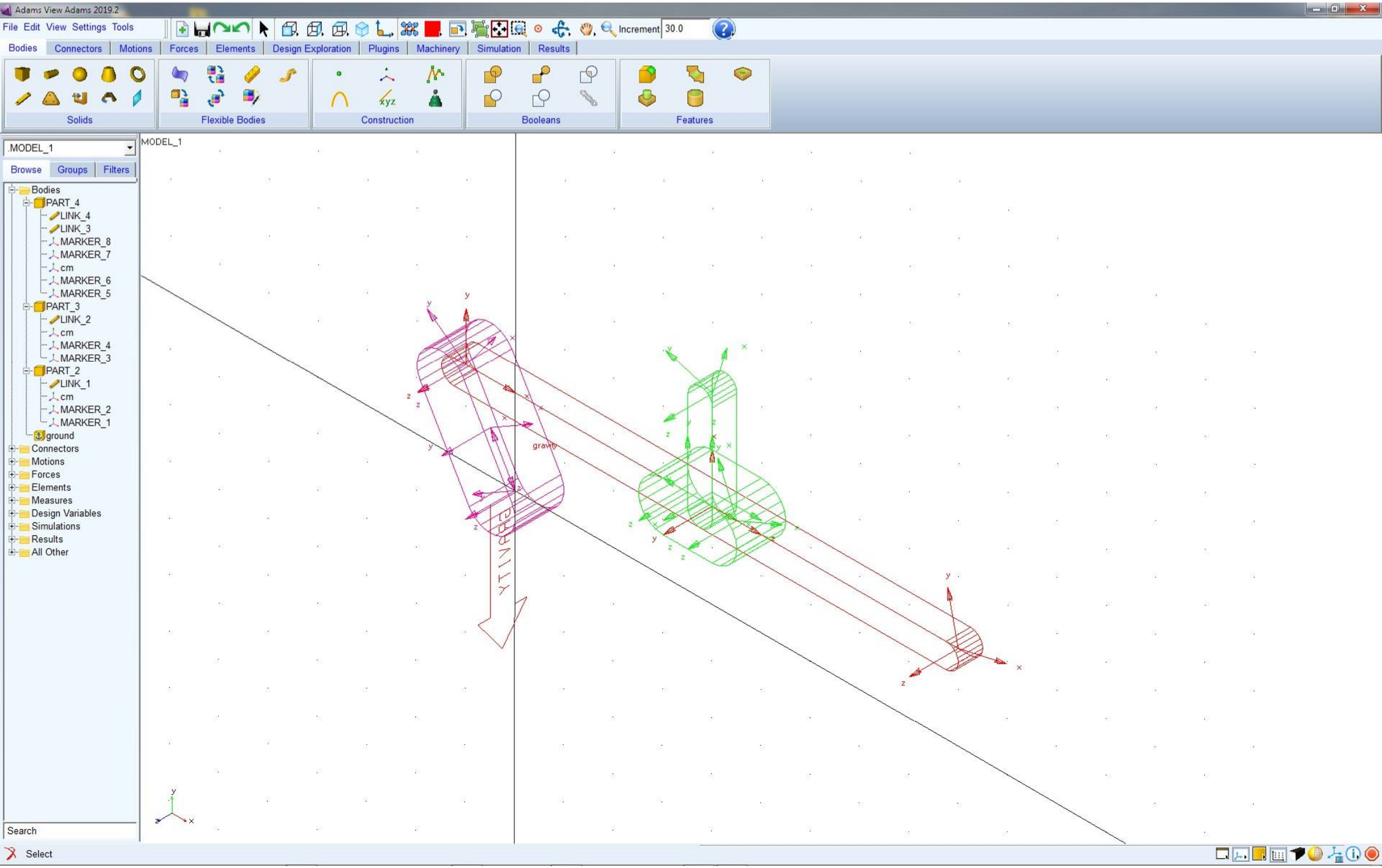

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Solids
Flexible Bodies
Construction
Booleans
Features
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_3
cm
MARKER_6
MARKER_5
PART_3
LINK_2
cm
MARKER_4
MARKER_3
PART_2
LINK_1
cm
MARKER_2
MARKER_1
ground
Connectors
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
Select
MODEL_1
Marker Modify
Name .MODEL_1.PART_4.MARKER_5
Location 0.2, 8.6602540378E-02, 0.0
Location Relative To .MODEL_1
Curve
Curve Reference Marker
Tangent Velocity X Y Z
Orientation 72.9857683004, 0.0, 0.0
Orientation Relative To .MODEL_1
Solver ID 5
OK Apply Close
gravity

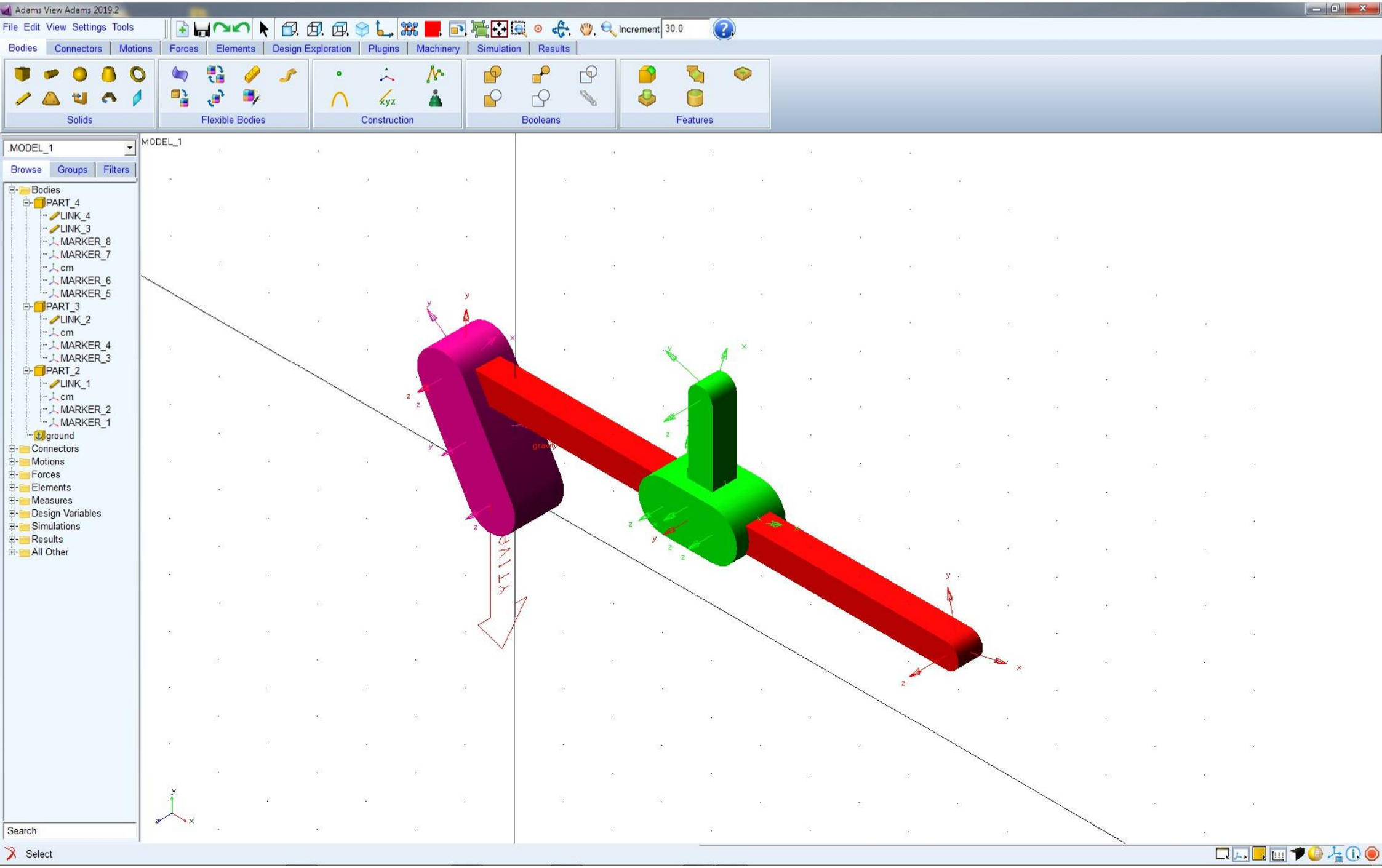

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Solids
Flexible Bodies
Construction
Booleans
Features
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_3
cm
MARKER_6
MARKER_5
PART_3
LINK_2
cm
MARKER_4
MARKER_3
PART_2
LINK_1
cm
MARKER_2
MARKER_1
ground
Connectors
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
Select
MODEL_1
Marker Modify
Name .MODEL_1.PART_4.MARKER_5
Location 0.2, 8.6602540378E-02, 0.0
Location Relative To .MODEL_1
Curve
Curve Reference Marker
Tangent Velocity X Y Z
Orientation 90.0, 0.0, 0.0
Orientation Relative To .MODEL_1
Solver ID 5
OK Apply Close
gravity

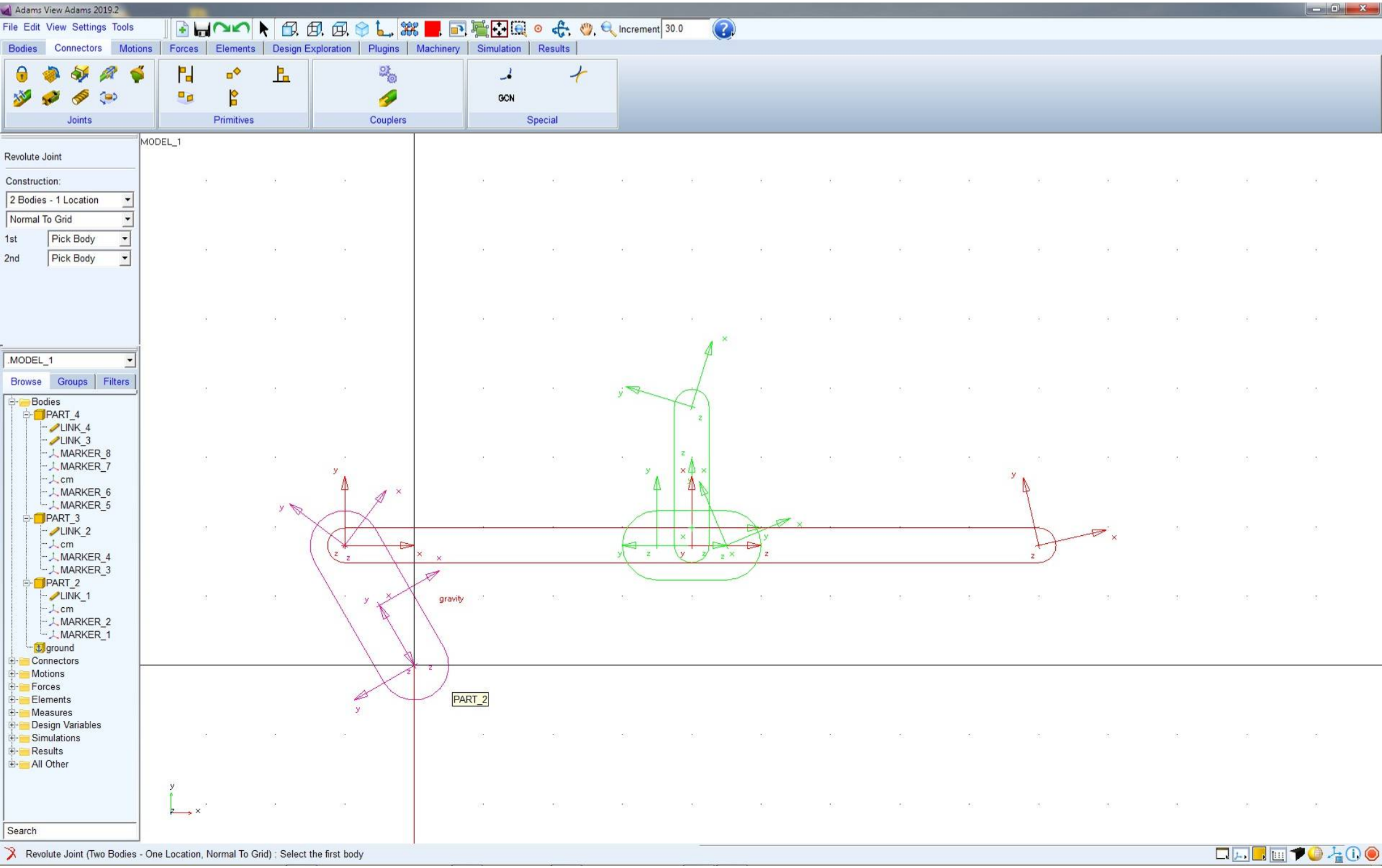

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Solids
Flexible Bodies
Construction
Booleans
Features
MODEL_1
Geometry: Link
Add to Part
Length 0.05
Width 0.05
Depth 0.05
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_3
cm
MARKER_6
MARKER_5
PART_3
LINK_2
cm
MARKER_4
MARKER_3
PART_2
LINK_1
cm
MARKER_2
MARKER_1
ground
Connectors
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
PART_4
gravity
Link: Select the body

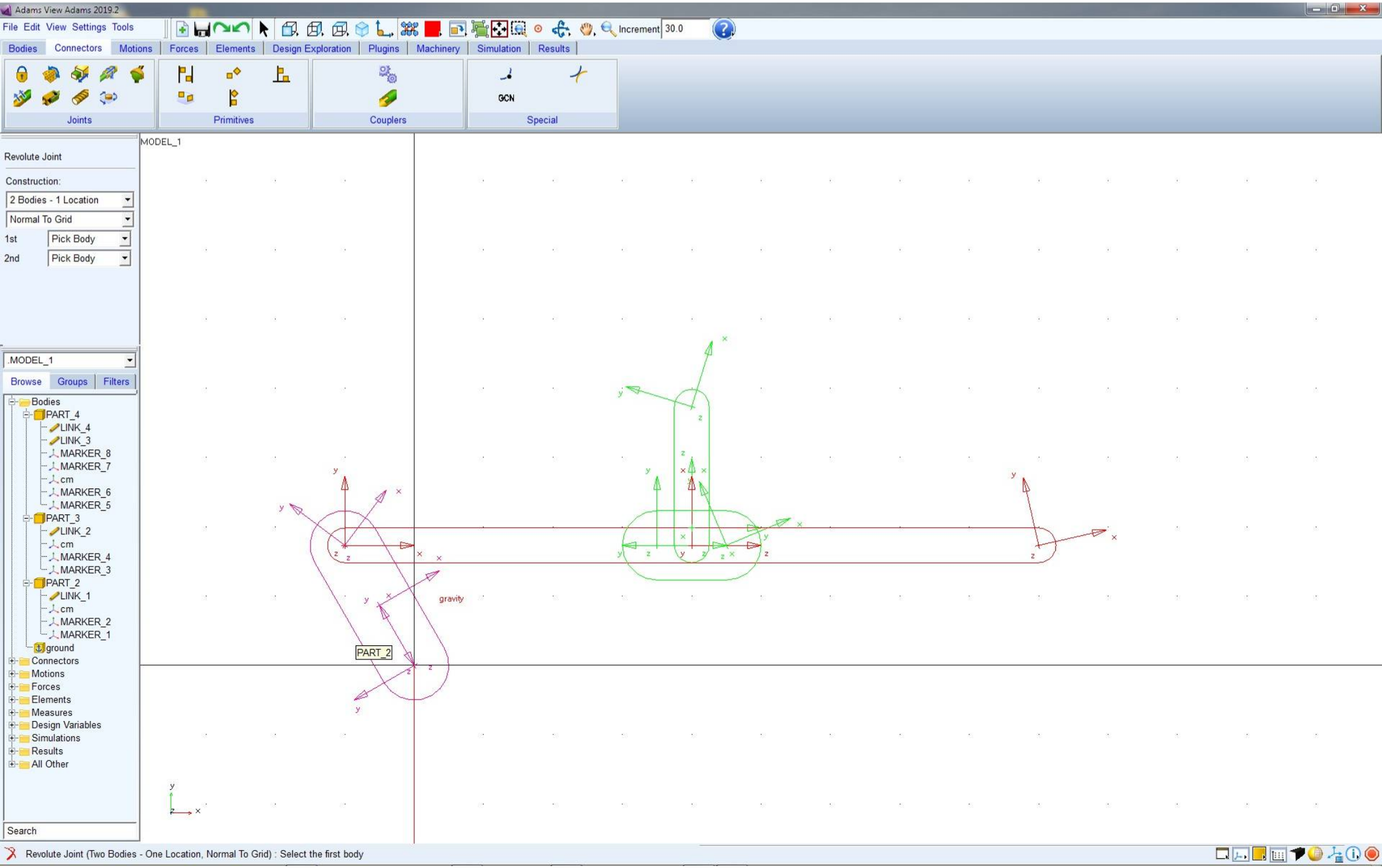

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Solids
Flexible Bodies
Construction
Booleans
Features
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
cm
MARKER_4
MARKER_3
PART_2
LINK_1
cm
MARKER_2
MARKER_1
ground
Connectors
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
MODEL_1
Marker Modify
Name .MODEL_1.PART_4.MARKER_7
Location 0.2, 8.6602540378E-02, 0.0
Location Relative To .MODEL_1
Curve
Curve Reference Marker
Tangent Velocity X Y Z
Orientation 22.9113369192, 0.0, 0.0
Orientation Relative To .MODEL_1
Solver ID 7
OK Apply Close
gravity
Select

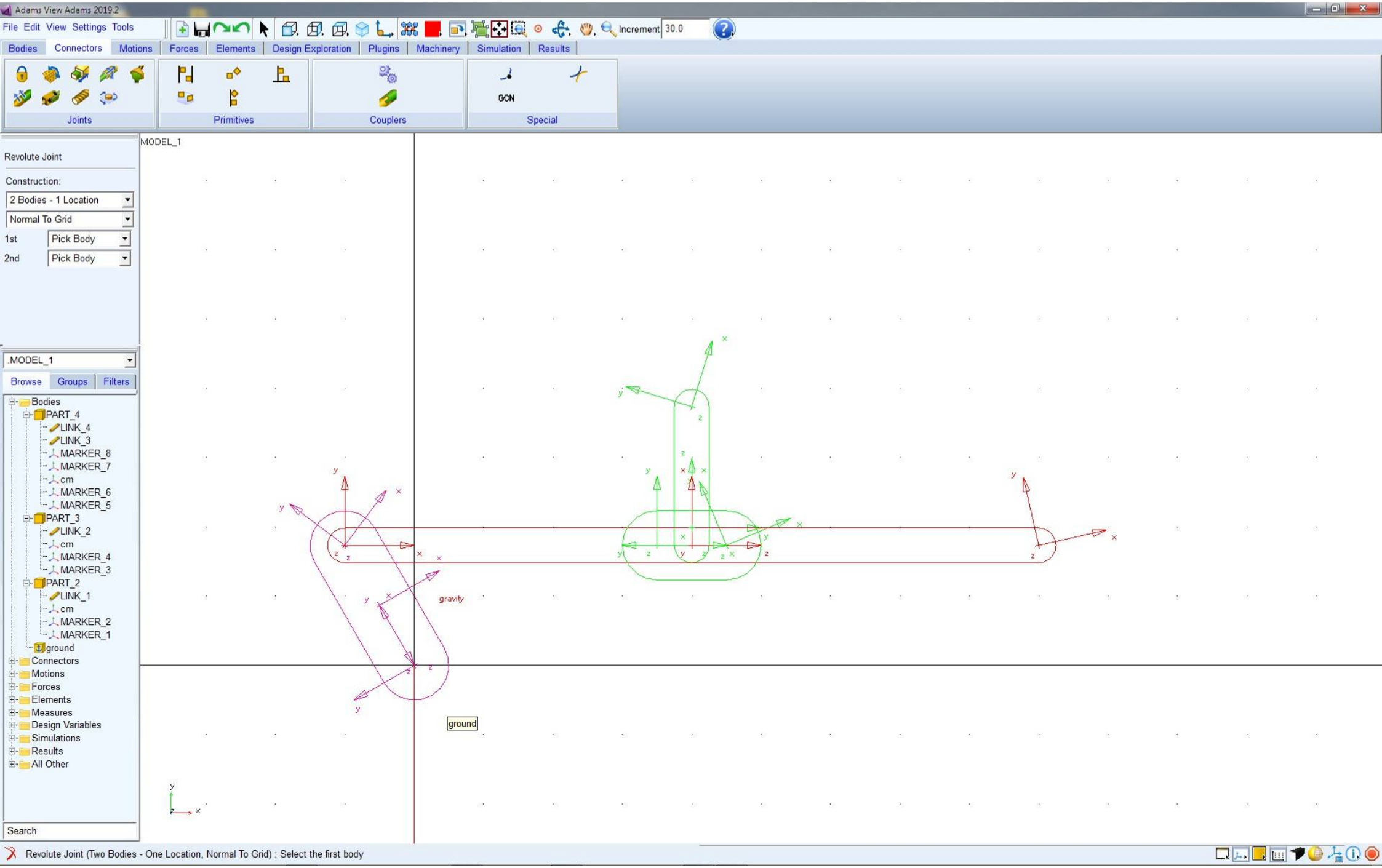

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Solids
Flexible Bodies
Construction
Booleans
Features
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
cm
MARKER_4
MARKER_3
PART_2
LINK_1
cm
MARKER_2
MARKER_1
ground
Connectors
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
MODEL_1
Marker Modify
Name .MODEL_1.PART_4.MARKER_7
Location 0.175, 8.6602540378E-02, 0.0
Location Relative To .MODEL_1
Curve
Curve Reference Marker
Tangent Velocity
Orientation 0, 0.0, 0.0
Orientation Relative To .MODEL_1
Solver ID 7
OK Apply Close
gravity
Select

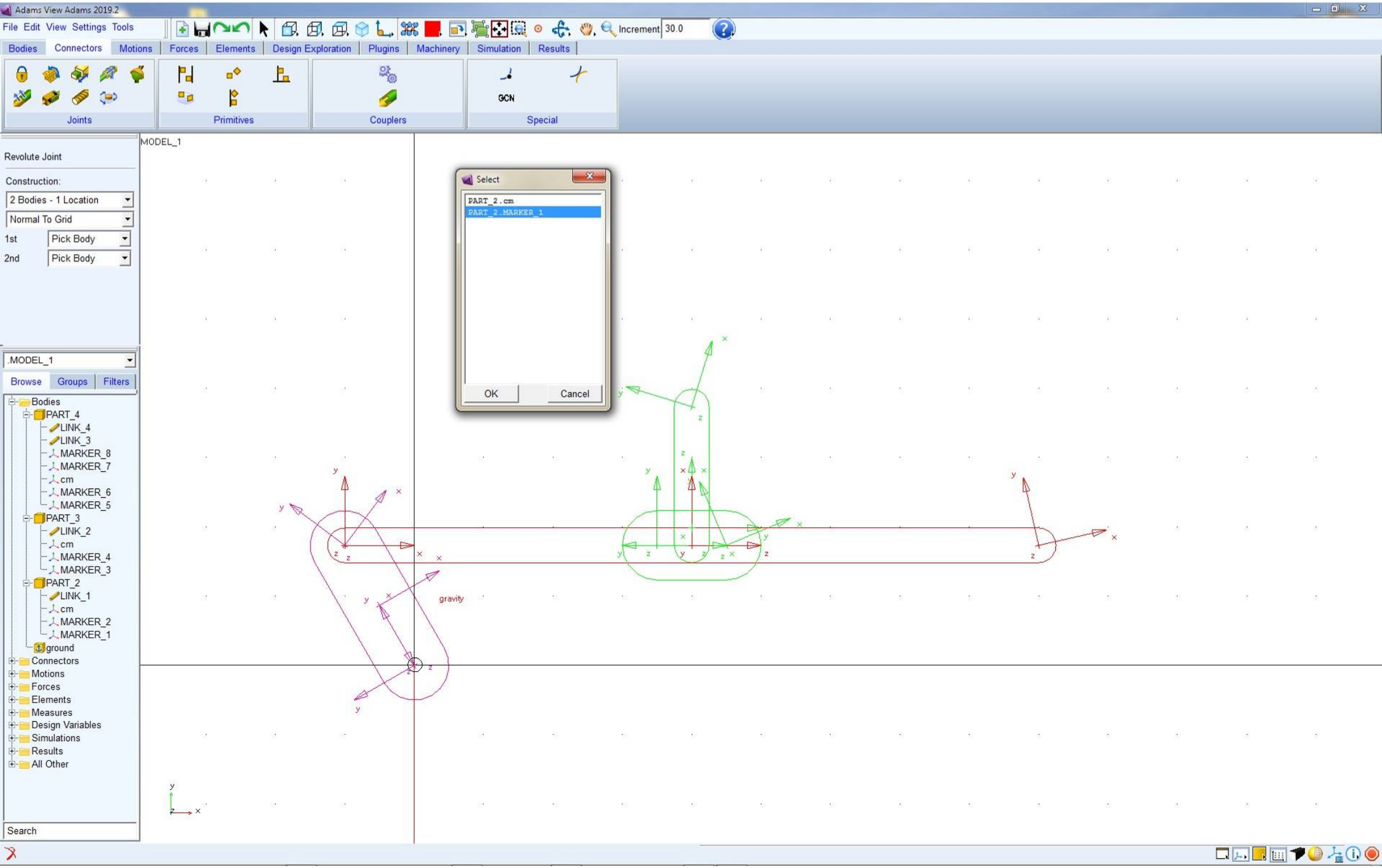

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies
Connectors
Motions
Forces
Elements
Design Exploration
Plugins
Machinery
Simulation
Results
Solids
Flexible Bodies
Construction
Booleans
Features
.MODEL_1
Browse
Groups
Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
cm
MARKER_4
MARKER_3
PART_2
LINK_1
cm
MARKER_2
MARKER_1
ground
Connectors
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
MODEL_1
gravity
Search
Select

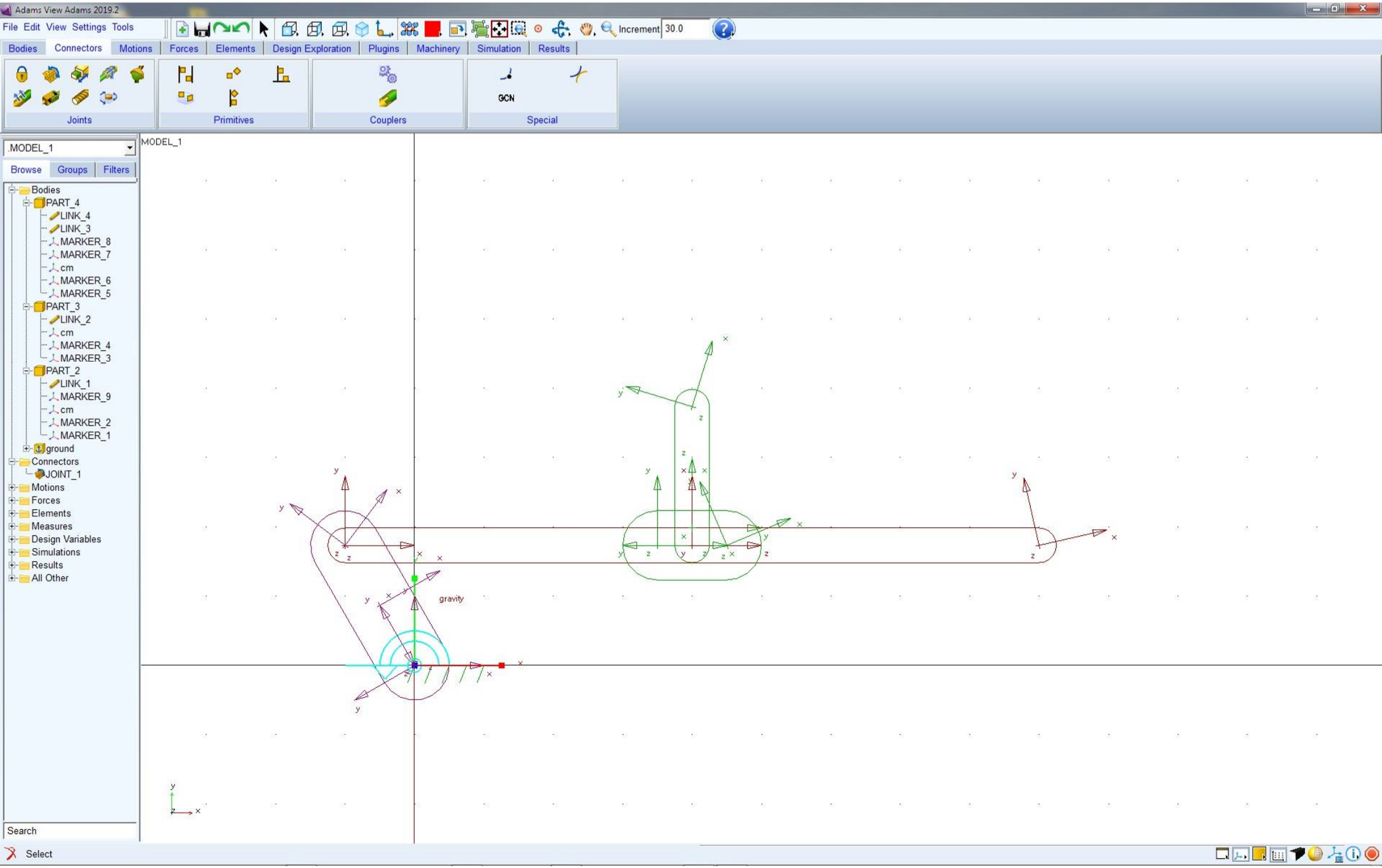

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Solids
Flexible Bodies
Construction
Booleans
Features
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
cm
MARKER_4
MARKER_3
PART_2
LINK_1
cm
MARKER_2
MARKER_1
ground
Connectors
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
MODEL_1
GRAVITY
Search
Select


Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Joints
Primitives
Couplers
Special
GCN
Revolute Joint
Construction:
2 Bodies - 1 Location
Normal To Grid
1st Pick Body
2nd Pick Body
MODEL_1
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
cm
MARKER_4
MARKER_3
PART_2
LINK_1
cm
MARKER_2
MARKER_1
ground
Connectors
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
gravity
PART_2
Revolute Joint (Two Bodies - One Location, Normal To Grid) : Select the first body


Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Joints
Primitives
Couplers
Special
GCN
Revolute Joint
Construction:
2 Bodies - 1 Location
Normal To Grid
1st Pick Body
2nd Pick Body
MODEL_1
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
cm
MARKER_4
MARKER_3
PART_2
LINK_1
cm
MARKER_2
MARKER_1
ground
Connectors
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
gravity
PART_2
Revolute Joint (Two Bodies - One Location, Normal To Grid) : Select the first body


Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Joints
Primitives
Couplers
Special
GCN
Revolute Joint
Construction:
2 Bodies - 1 Location
Normal To Grid
1st Pick Body
2nd Pick Body
MODEL_1
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
cm
MARKER_4
MARKER_3
PART_2
LINK_1
cm
MARKER_2
MARKER_1
ground
Connectors
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
gravity
ground
Revolute Joint (Two Bodies - One Location, Normal To Grid) : Select the first body


Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Joints
Primitives
Couplers
Special
GCN
Revolute Joint
Construction:
2 Bodies - 1 Location
Normal To Grid
1st Pick Body
2nd Pick Body
MODEL_1
Select
PART_2.cm
PART_2.MARKER_1
OK
Cancel
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
cm
MARKER_4
MARKER_3
PART_2
LINK_1
cm
MARKER_2
MARKER_1
ground
Connectors
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
gravity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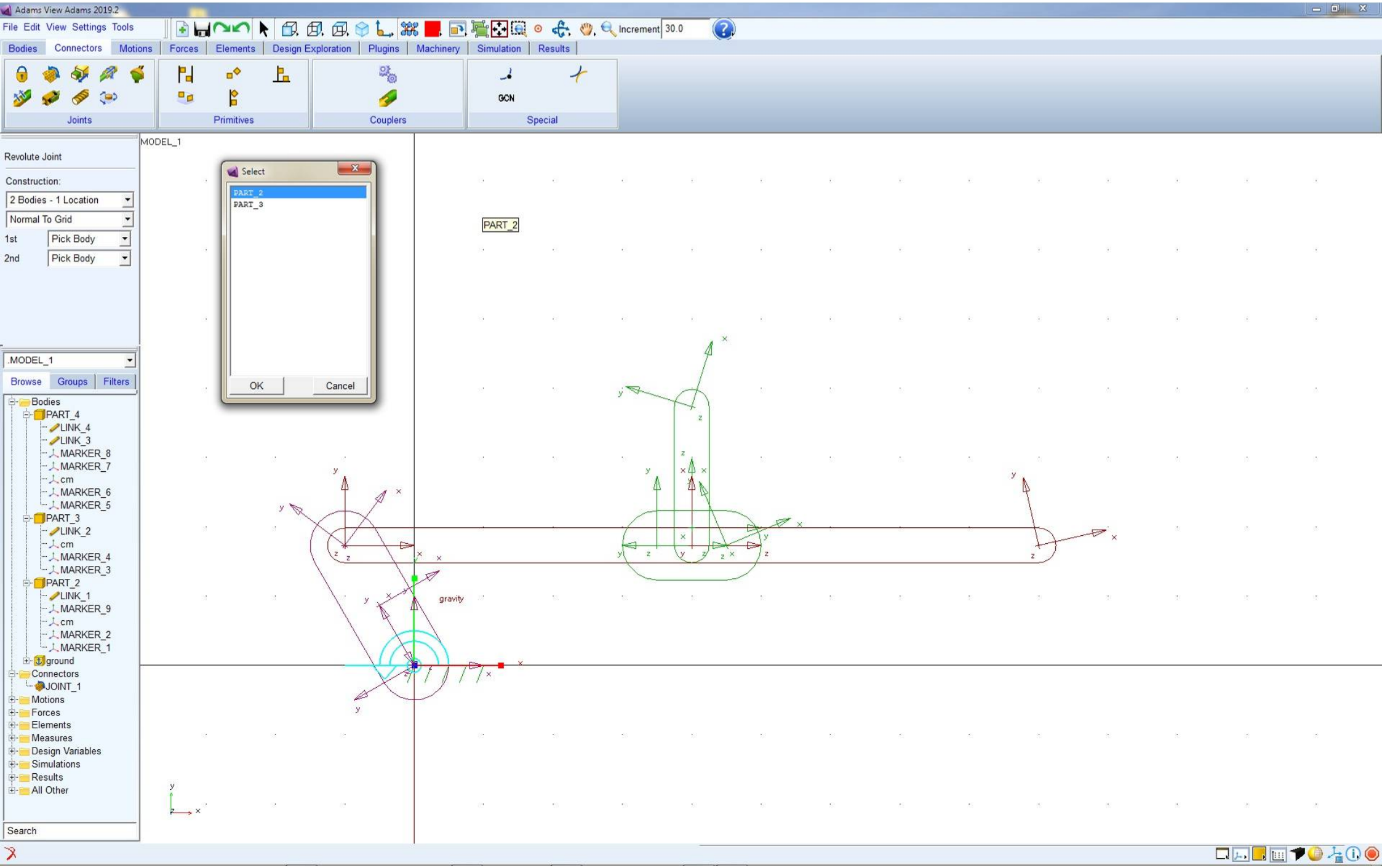
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Joints
Primitives
Couplers
Special
GCN
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_1
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
MODEL_1
gravity
Select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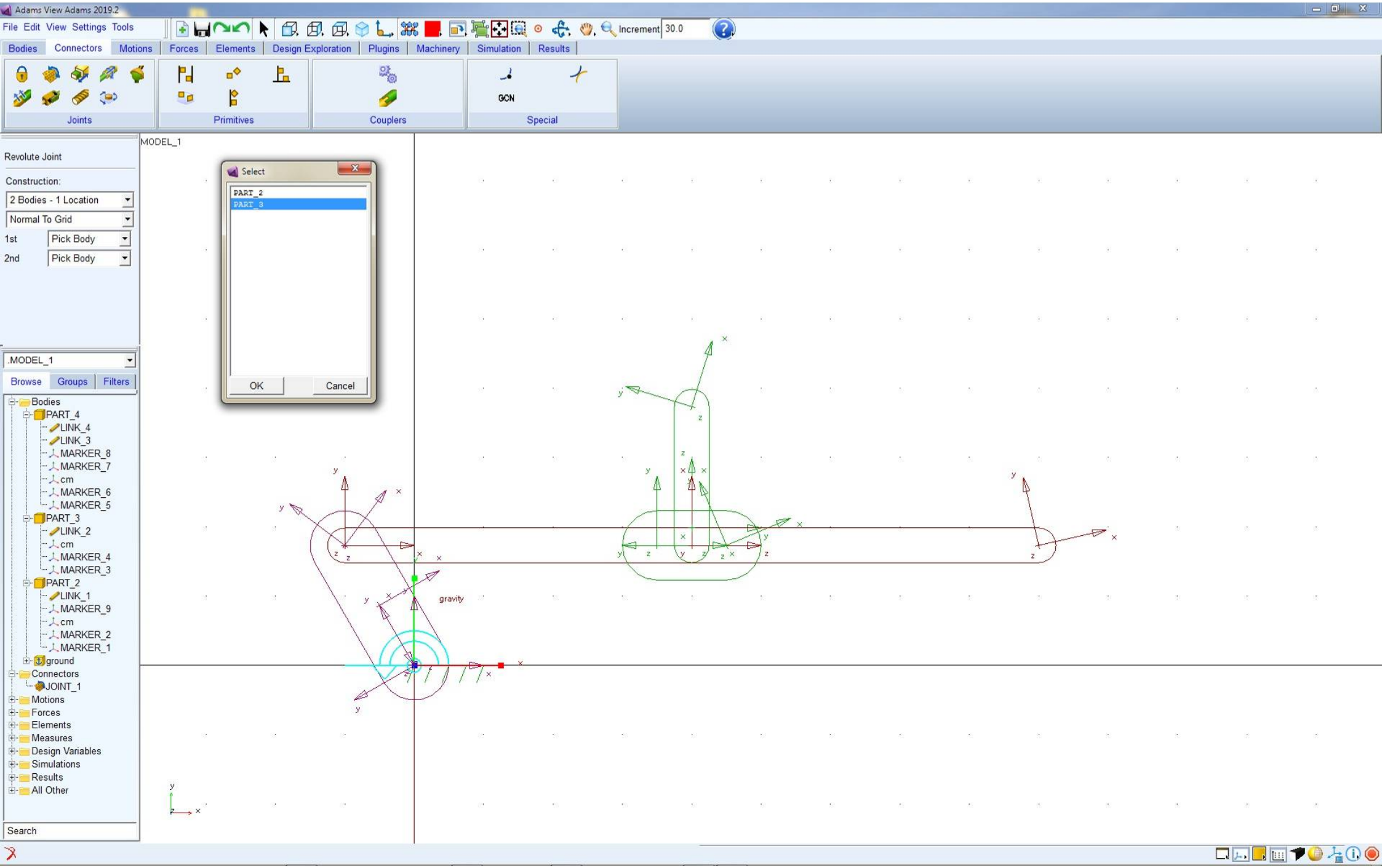
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Joints
Primitives
Couplers
Special
GCN
Revolute Joint
Construction:
2 Bodies - 1 Location
Normal To Grid
1st Pick Body
2nd Pick Body
MODEL_1
Select
PART_2
PART_3
OK
Cancel
PART_2
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_1
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
gravity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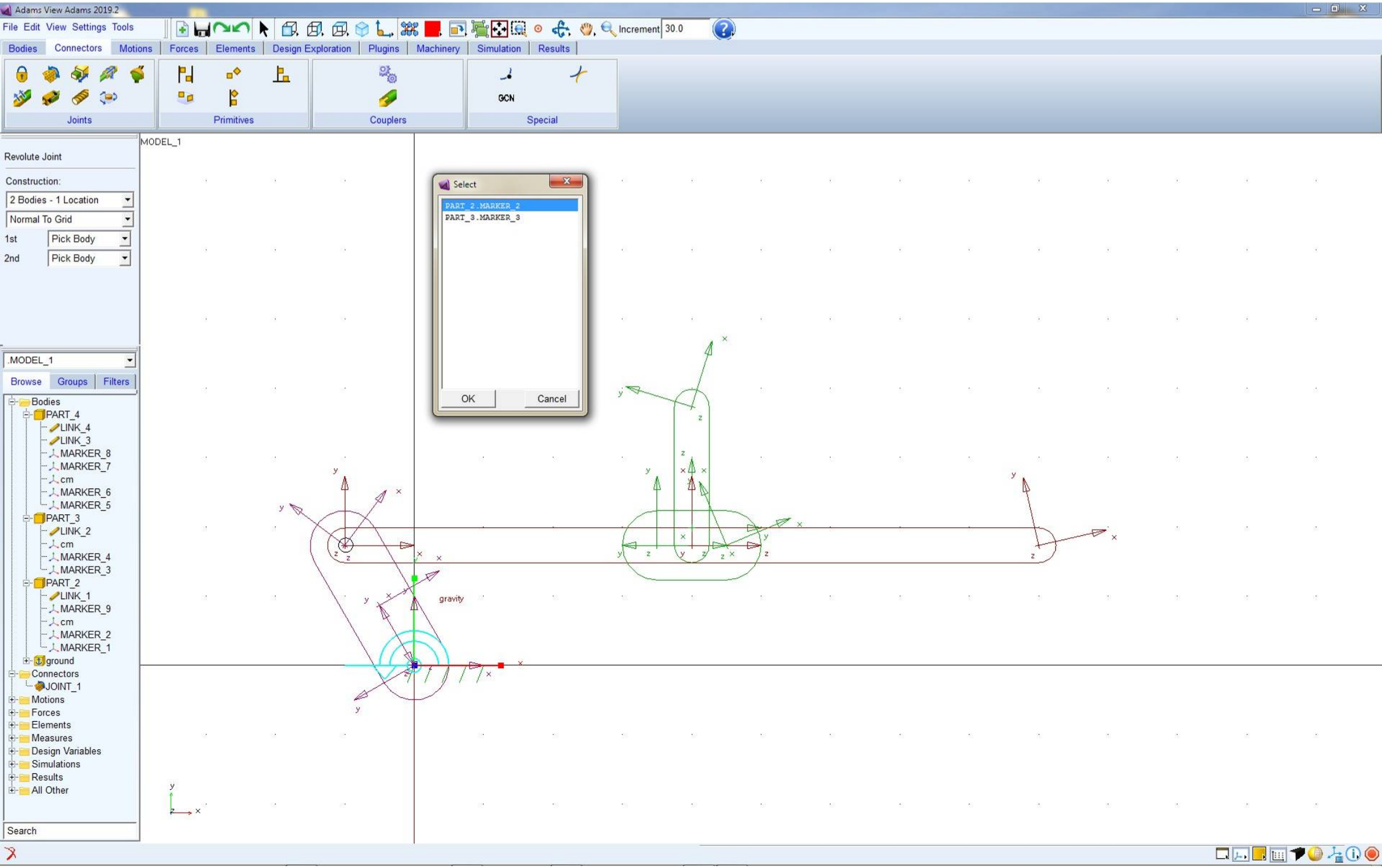
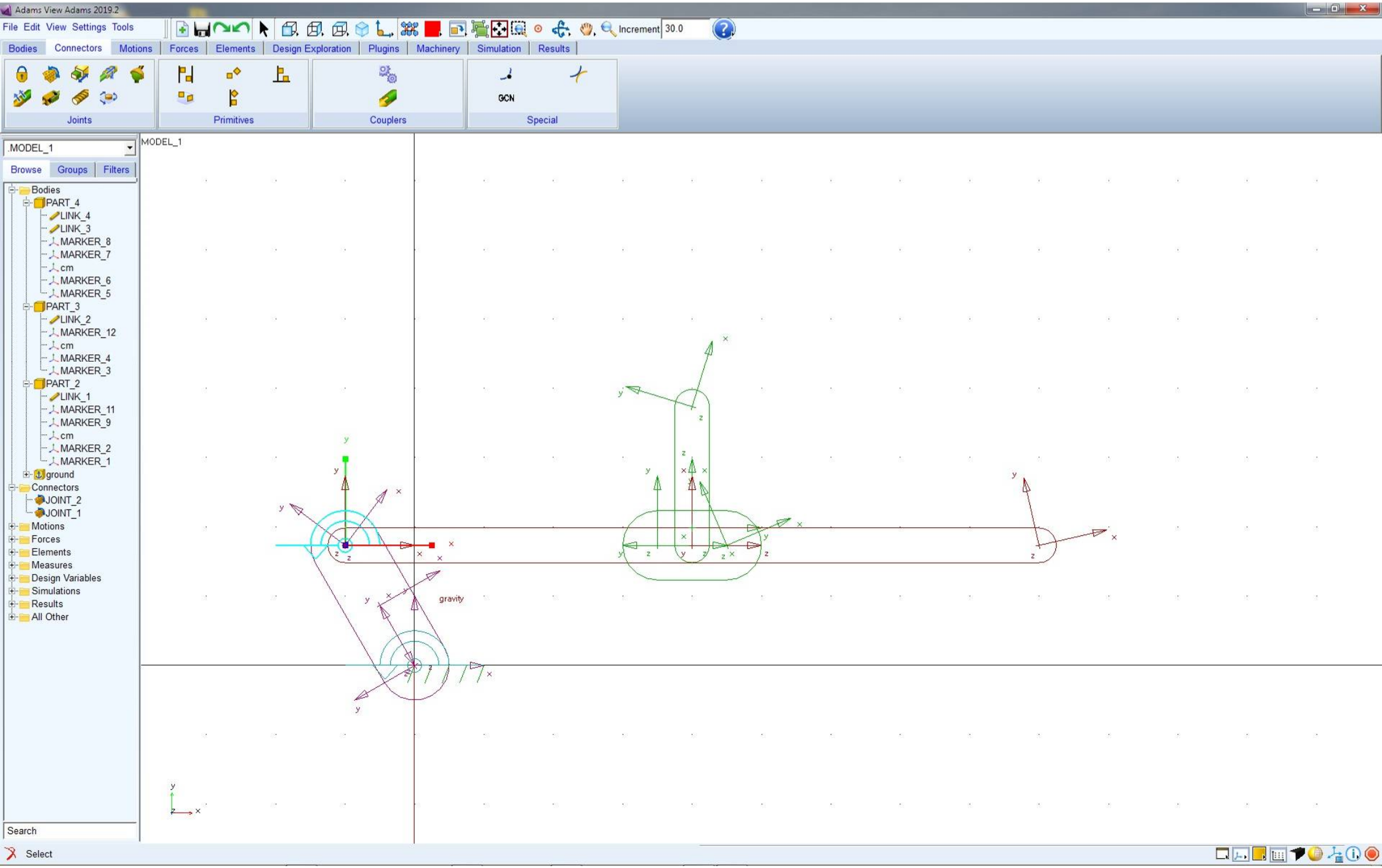
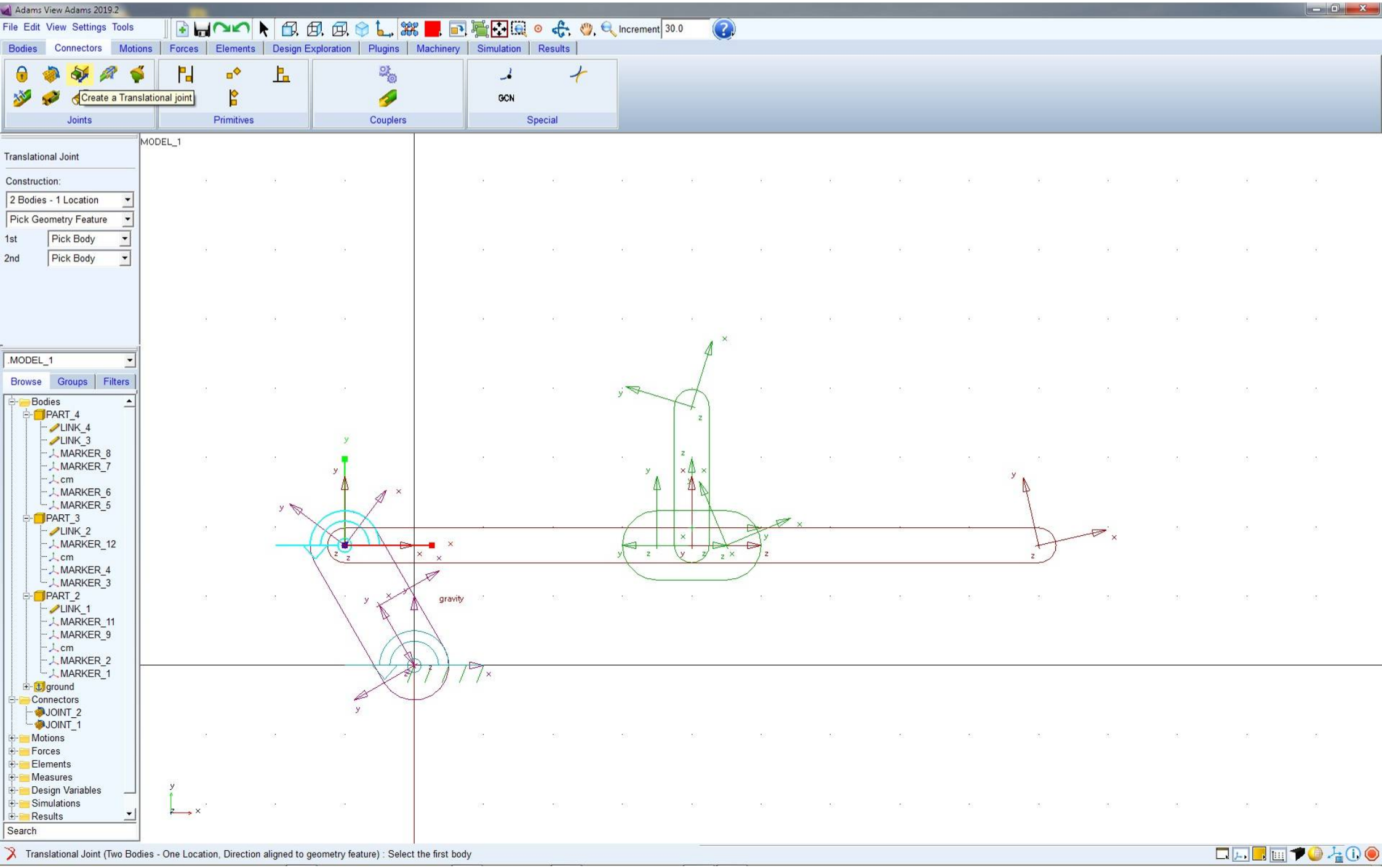
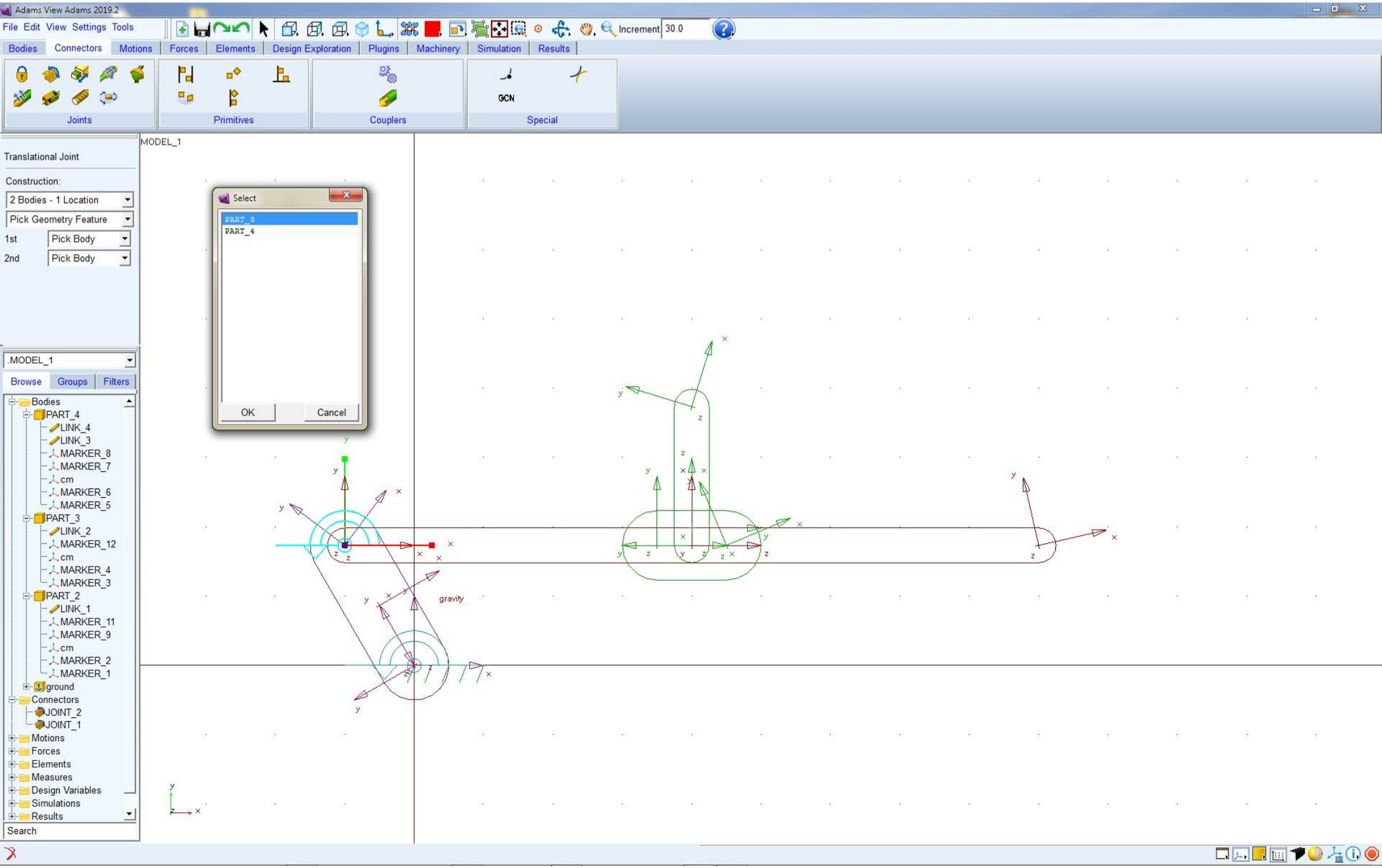
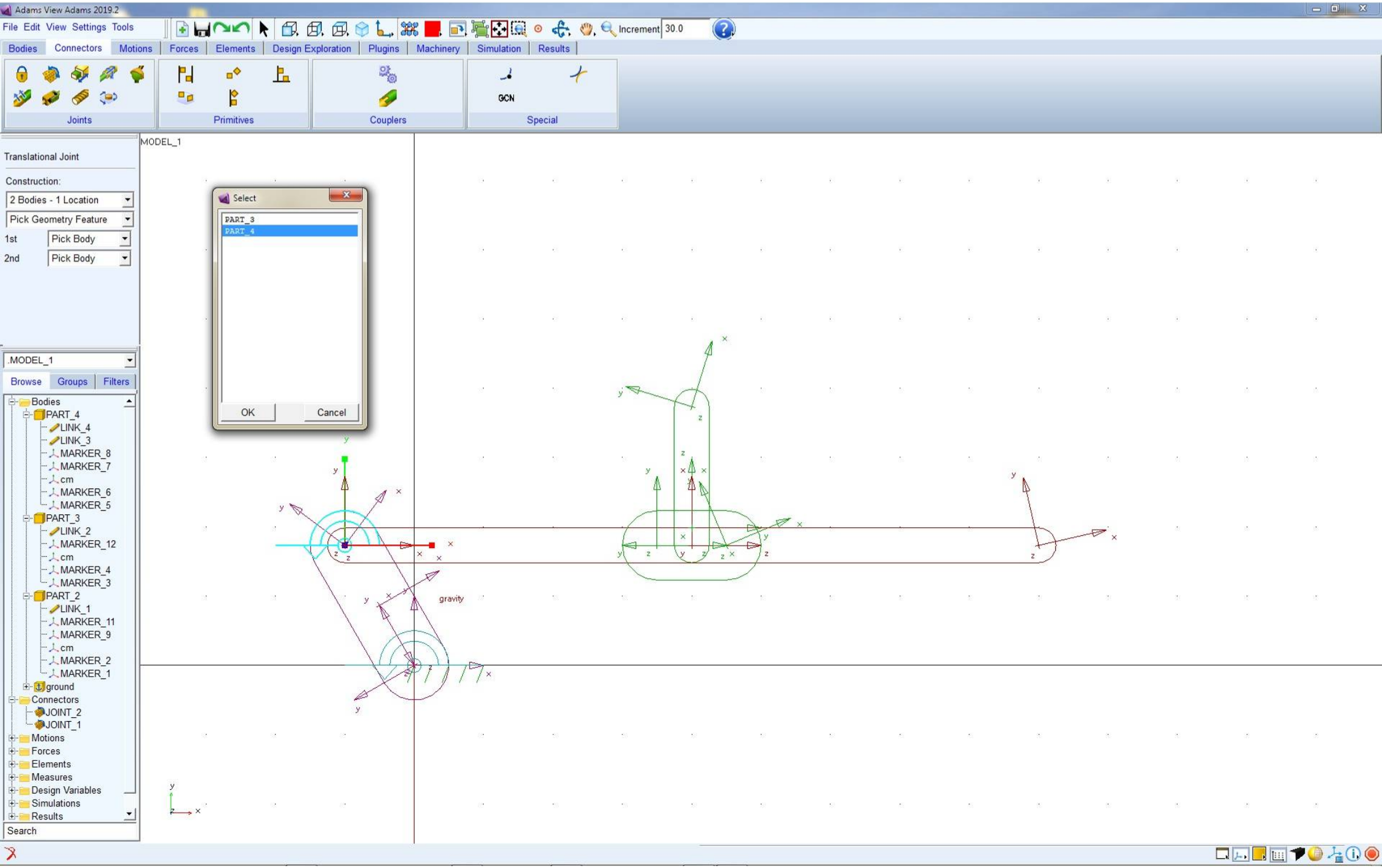
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Joints
Primitives
Couplers
Special
GCN
Revolute Joint
Construction:
2 Bodies - 1 Location
Normal To Grid
1st Pick Body
2nd Pick Body
MODEL_1
Select
PART_2
PART_3
OK
Cancel
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_1
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
gravity

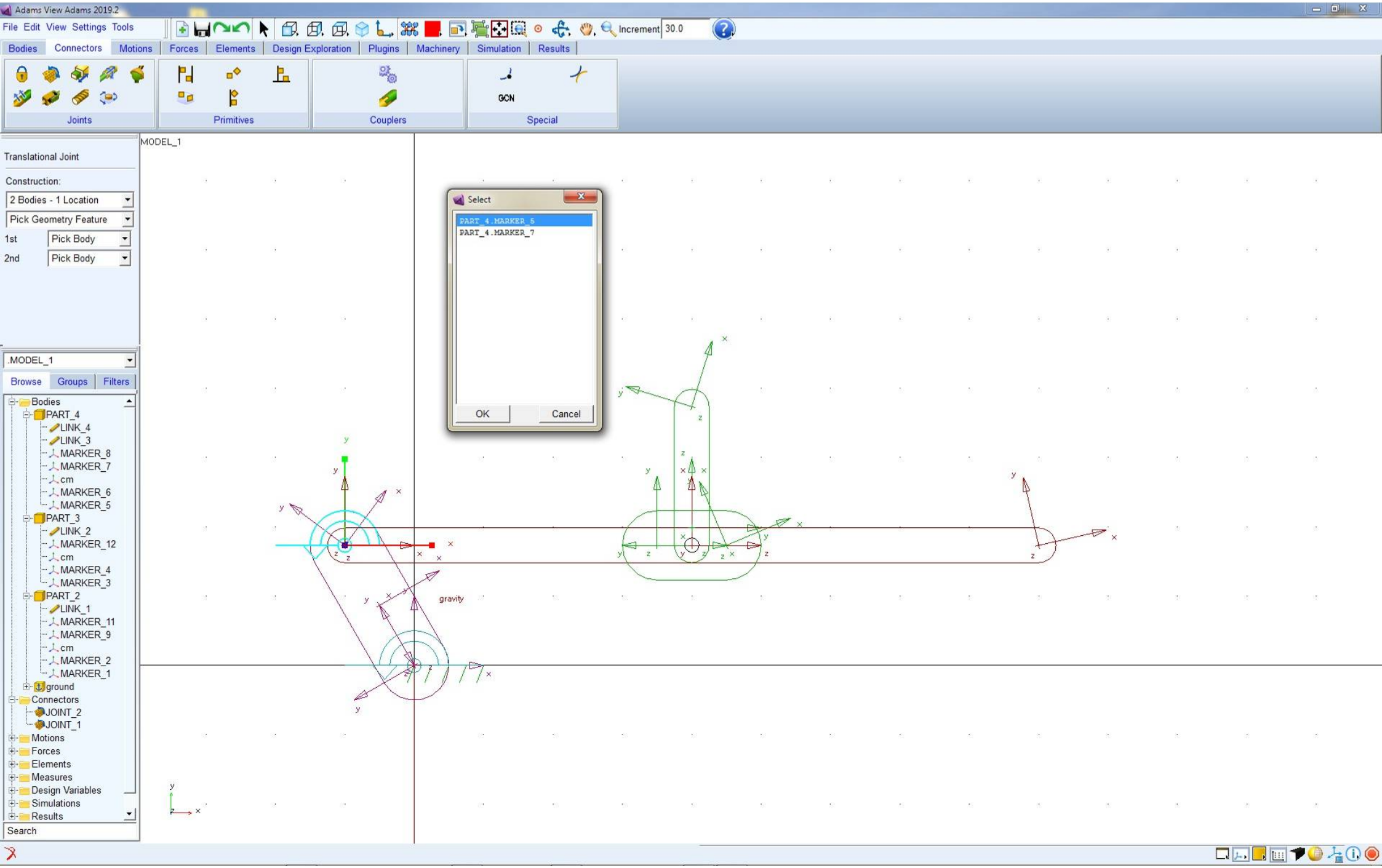

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Joints
Primitives
Couplers
Special
GCN
Revolute Joint
Construction:
2 Bodies - 1 Location
Normal To Grid
1st Pick Body
2nd Pick Body
MODEL_1
Select
PART_2.MARKER_2
PART_3.MARKER_3
OK
Cancel
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_1
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
gravity

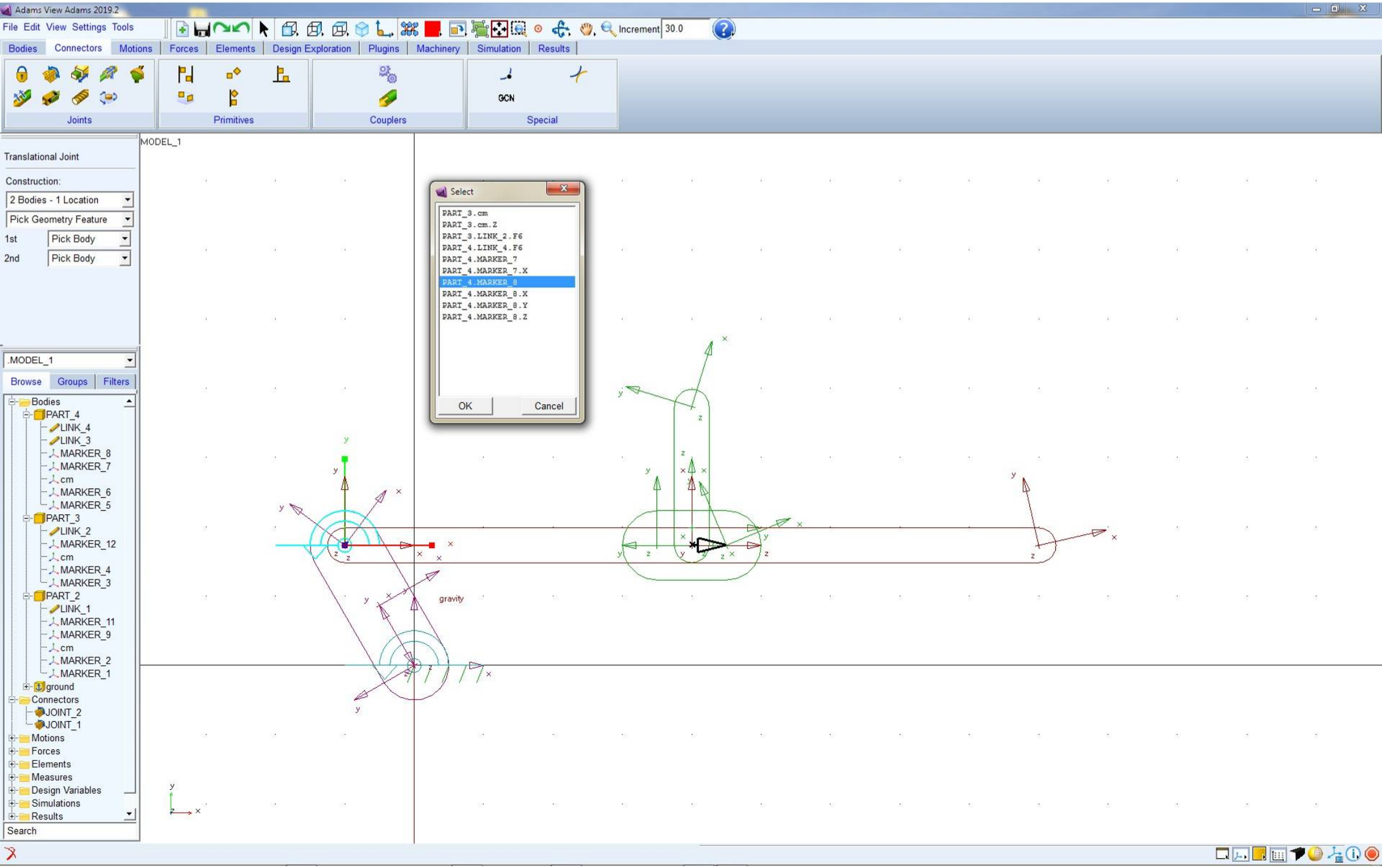

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Joints
Primitives
Couplers
GCN
Special
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_12
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_2
JOINT_1
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
MODEL_1
gravity
Select

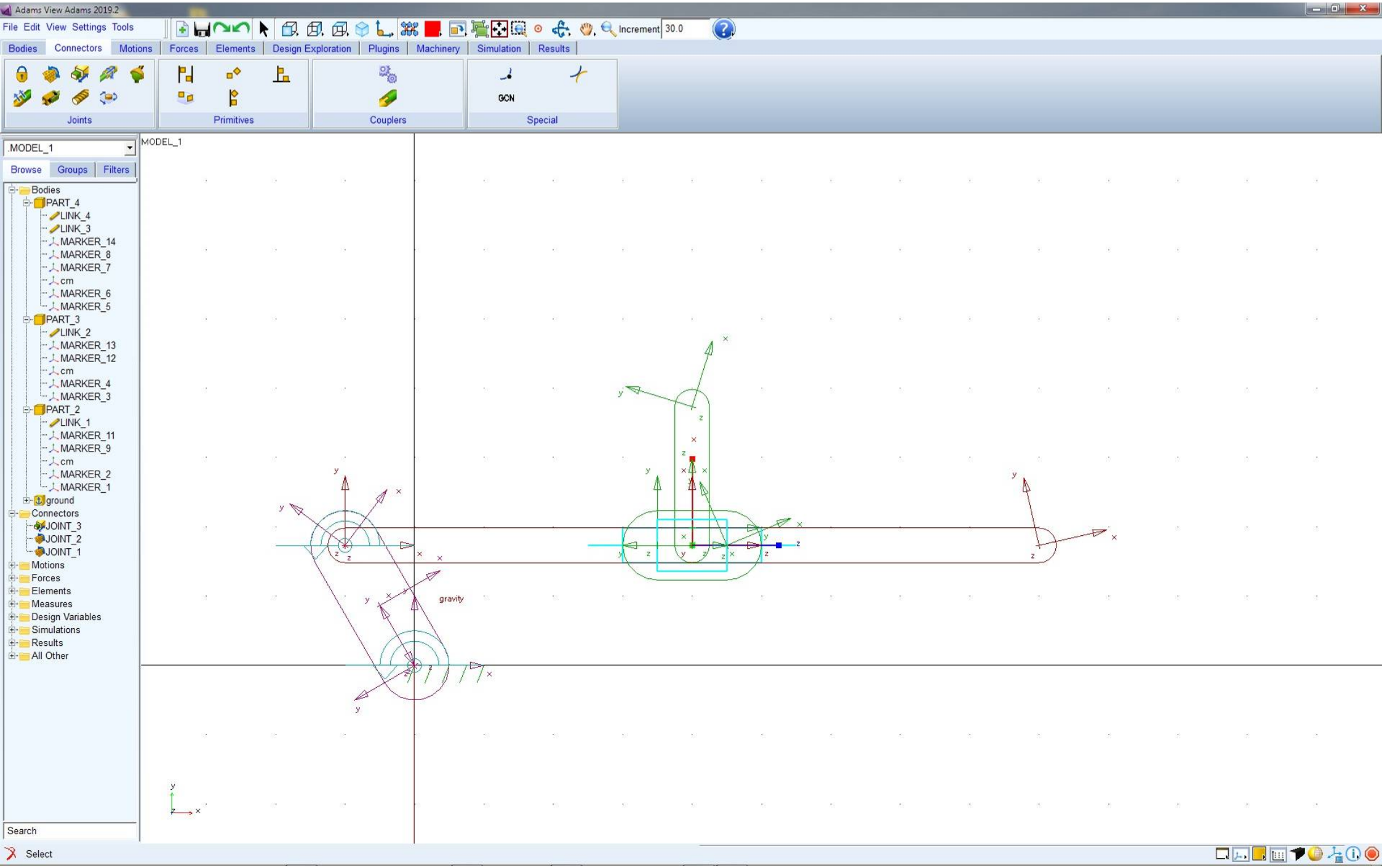

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Create a Translational joint
Joints
Primitives
Couplers
GCN
Special
Translational Joint
Construction:
2 Bodies - 1 Location
Pick Geometry Feature
1st Pick Body
2nd Pick Body
MODEL_1
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_12
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_2
JOINT_1
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
Search
gravity
Translational Joint (Two Bodies - One Location, Direction aligned to geometry feature) : Select the first body

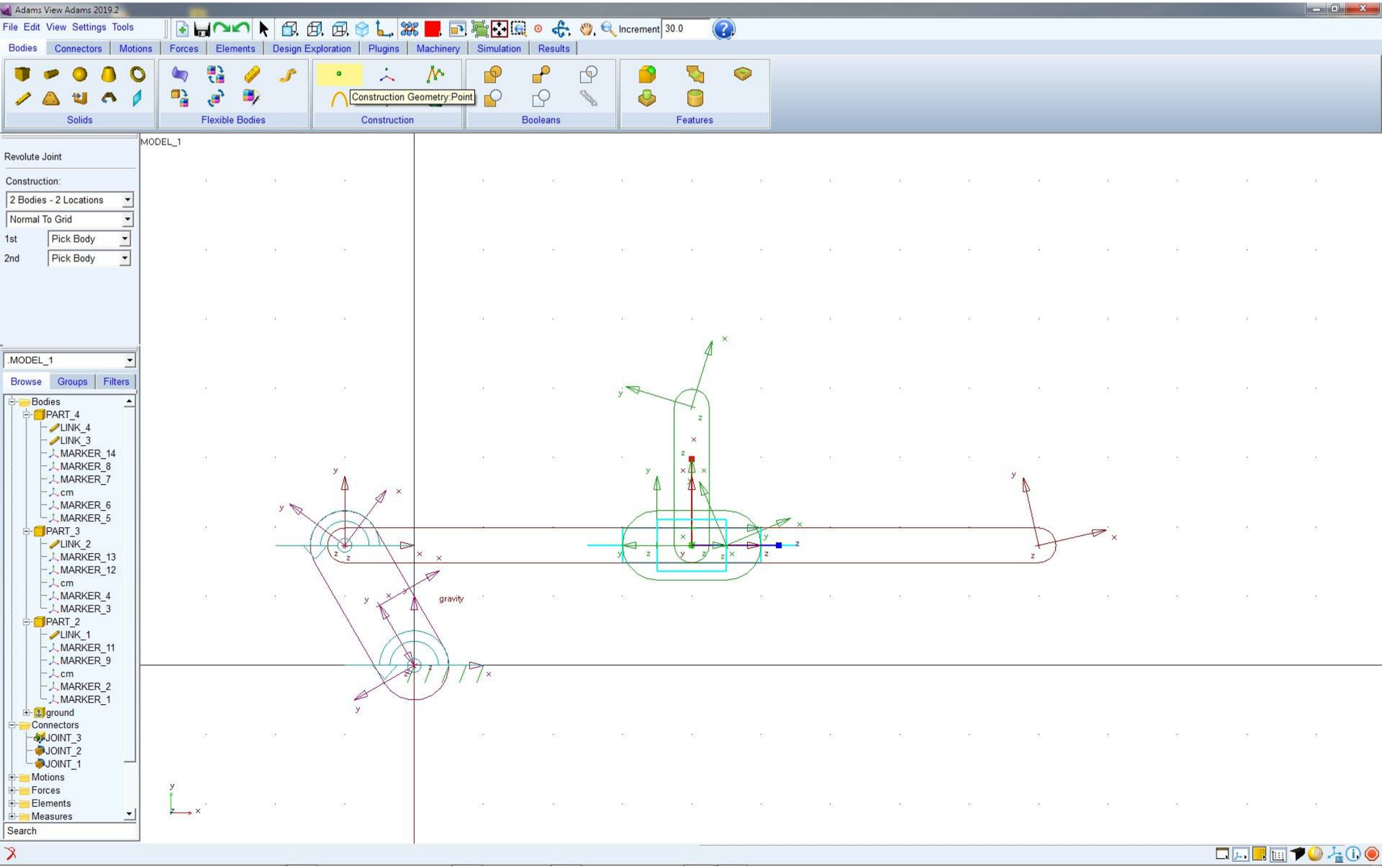

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Joints
Primitives
Couplers
Special
GCN
Translational Joint
Construction:
2 Bodies - 1 Location
Pick Geometry Feature
1st Pick Body
2nd Pick Body
MODEL_1
Select
PART_3
PART_4
OK
Cancel
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_12
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_2
JOINT_1
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
Search
gravity

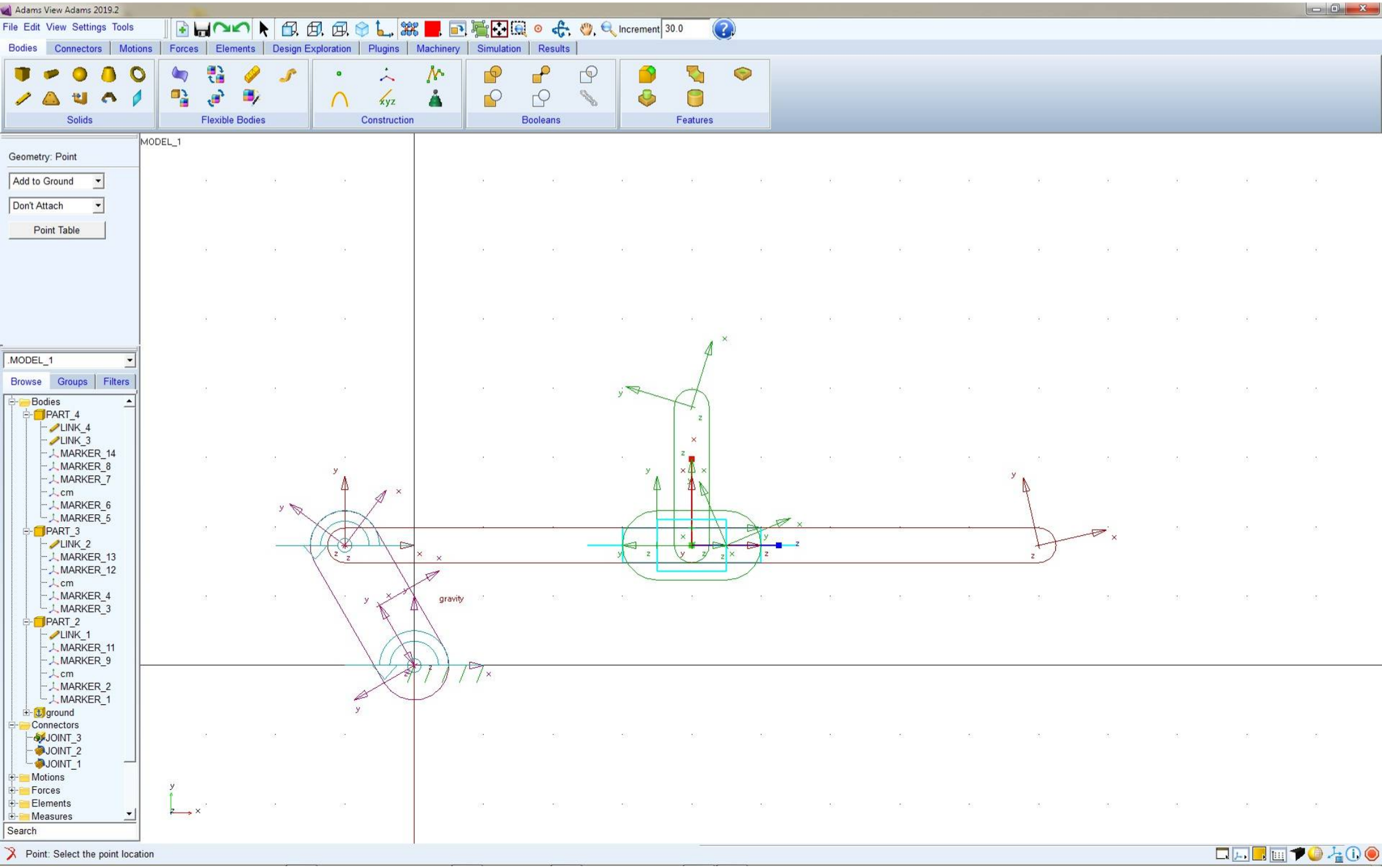

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Joints
Primitives
Couplers
Special
GCN
Translational Joint
Construction:
2 Bodies - 1 Location
Pick Geometry Feature
1st Pick Body
2nd Pick Body
MODEL_1
Select
PART_3
PART_4
OK
Cancel
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_12
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_2
JOINT_1
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
Search
gravity

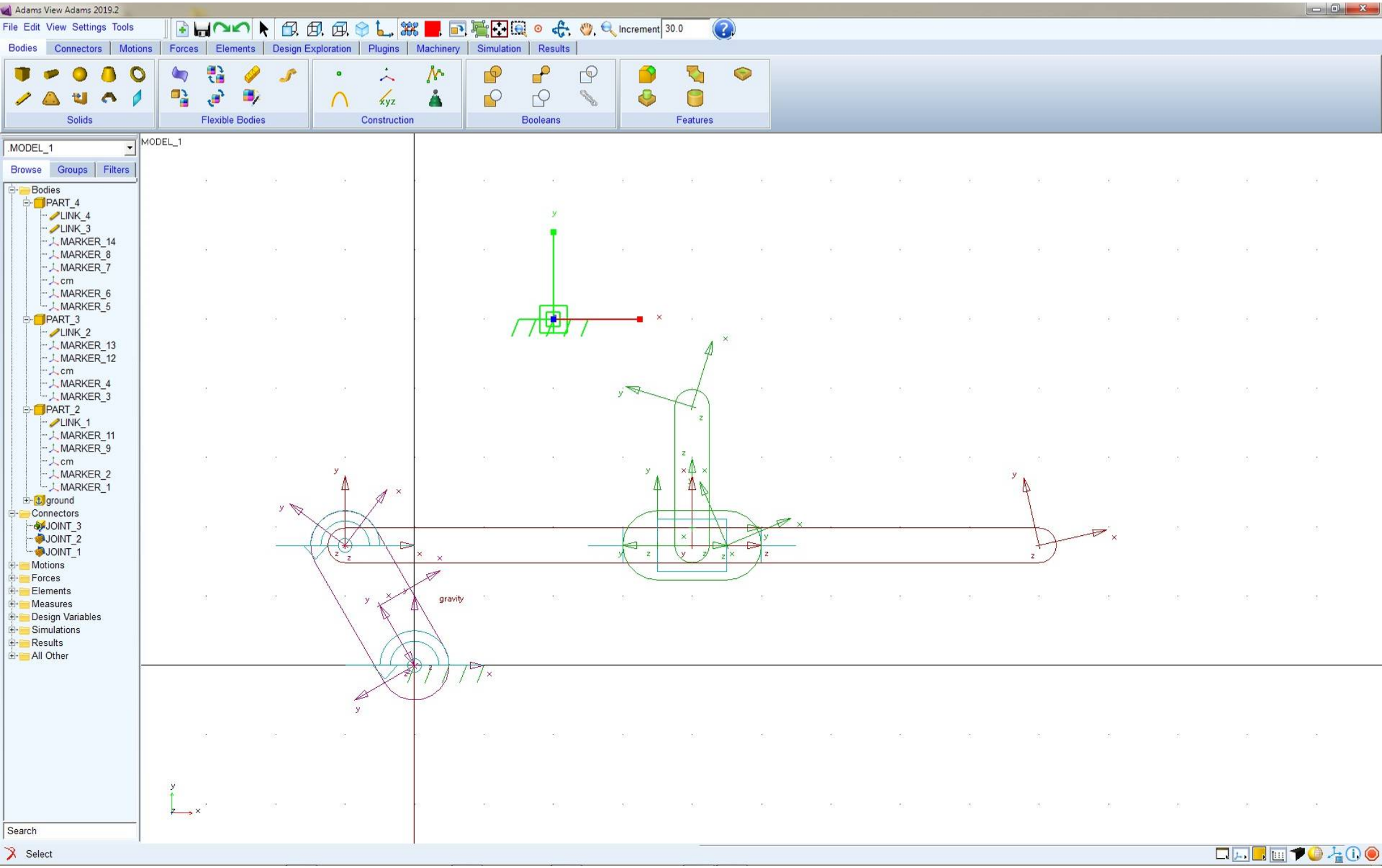

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Joints
Primitives
Couplers
Special
GCN
Translational Joint
Construction:
2 Bodies - 1 Location
Pick Geometry Feature
1st Pick Body
2nd Pick Body
MODEL_1
Select
PART_4.MARKER_5
PART_4.MARKER_7
OK
Cancel
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_12
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_2
JOINT_1
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
Search
gravity


Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Joints
Primitives
Couplers
Special
GCN
Translational Joint
Construction:
2 Bodies - 1 Location
Pick Geometry Feature
1st Pick Body
2nd Pick Body
MODEL_1
Select
PART_3.cm
PART_3.cm.Z
PART_3.LINK_2.F6
PART_4.LINK_4.F6
PART_4.MARKER_7
PART_4.MARKER_7.X
PART_4.MARKER_8
PART_4.MARKER_8.X
PART_4.MARKER_8.Y
PART_4.MARKER_8.Z
OK
Cancel
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_12
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_2
JOINT_1
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
Search
gravity


Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Joints
Primitives
Couplers
GCN
Special
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_14
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_13
MARKER_12
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_3
JOINT_2
JOINT_1
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
MODEL_1
gravity
Search
Select


Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Solids
Flexible Bodies
Construction
Construction Geometry:Point
Booleans
Features
Revolute Joint
Construction:
2 Bodies - 2 Locations
Normal To Grid
1st Pick Body
2nd Pick Body
MODEL_1
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_14
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_13
MARKER_12
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_3
JOINT_2
JOINT_1
Motions
Forces
Elements
Measures
Search
gravity


Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Solids
Flexible Bodies
Construction
Booleans
Features
Geometry: Point
Add to Ground
Don't Attach
Point Table
MODEL_1
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_14
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_13
MARKER_12
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_3
JOINT_2
JOINT_1
Motions
Forces
Elements
Measures
Search
gravity
Point: Select the point location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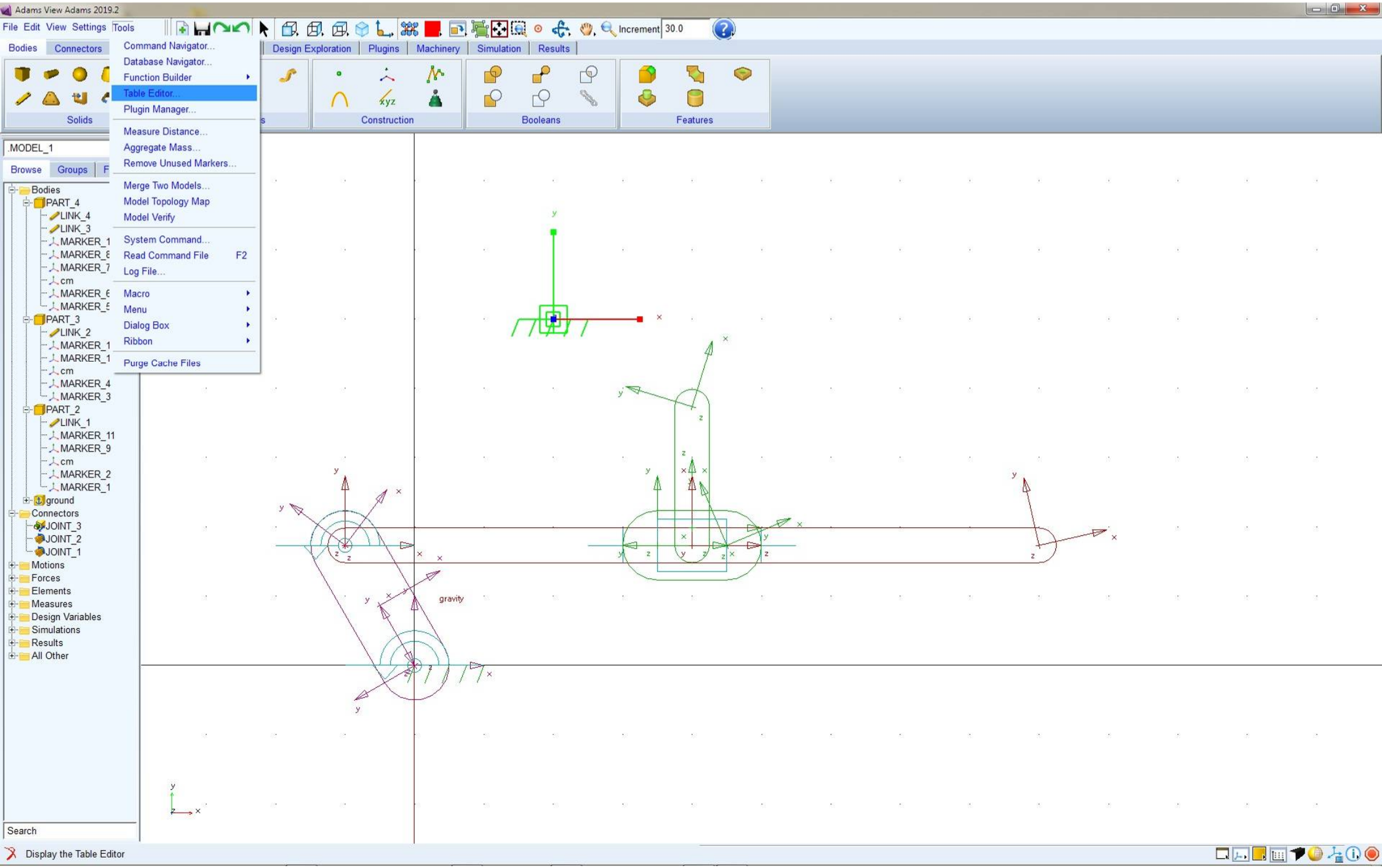
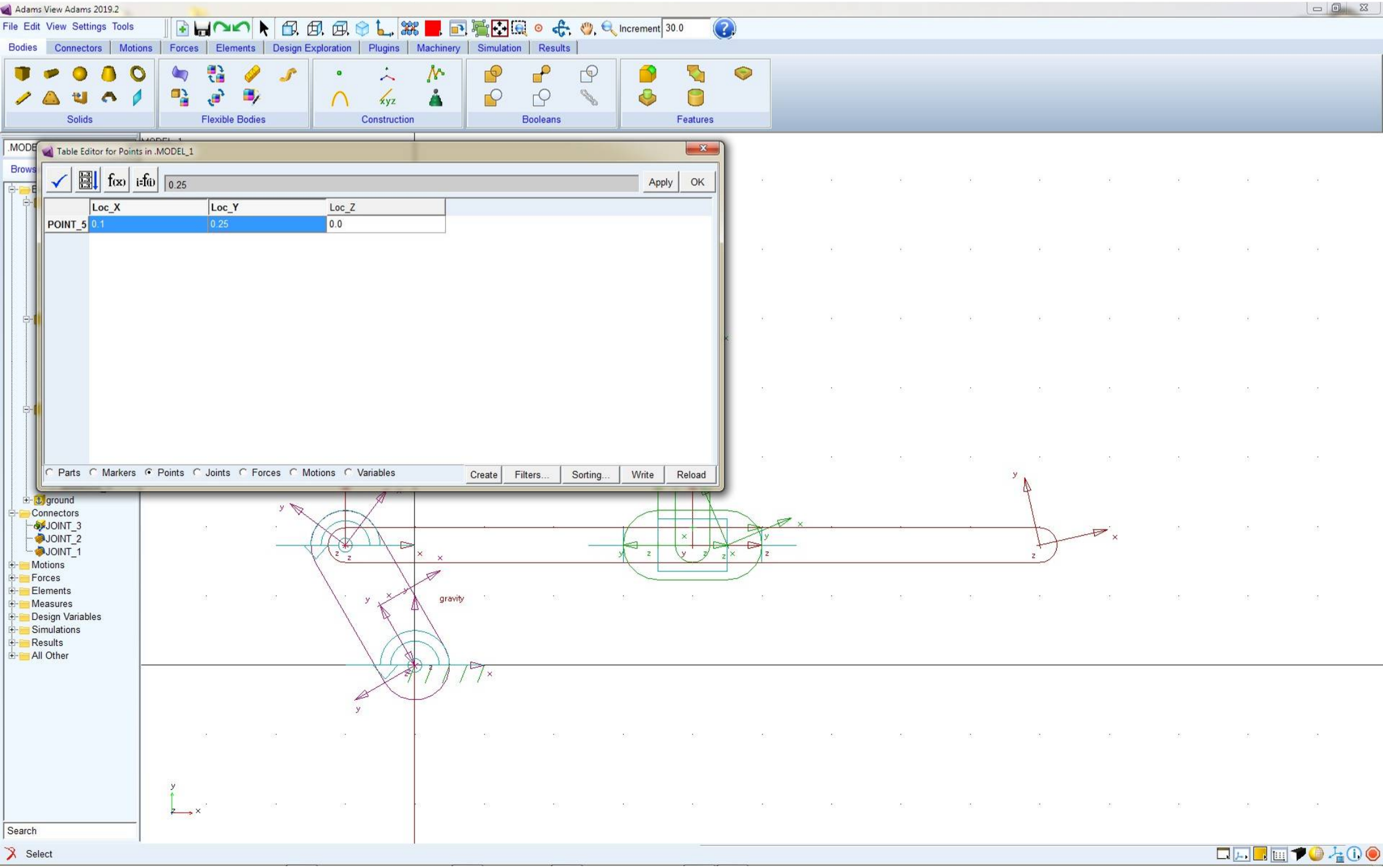
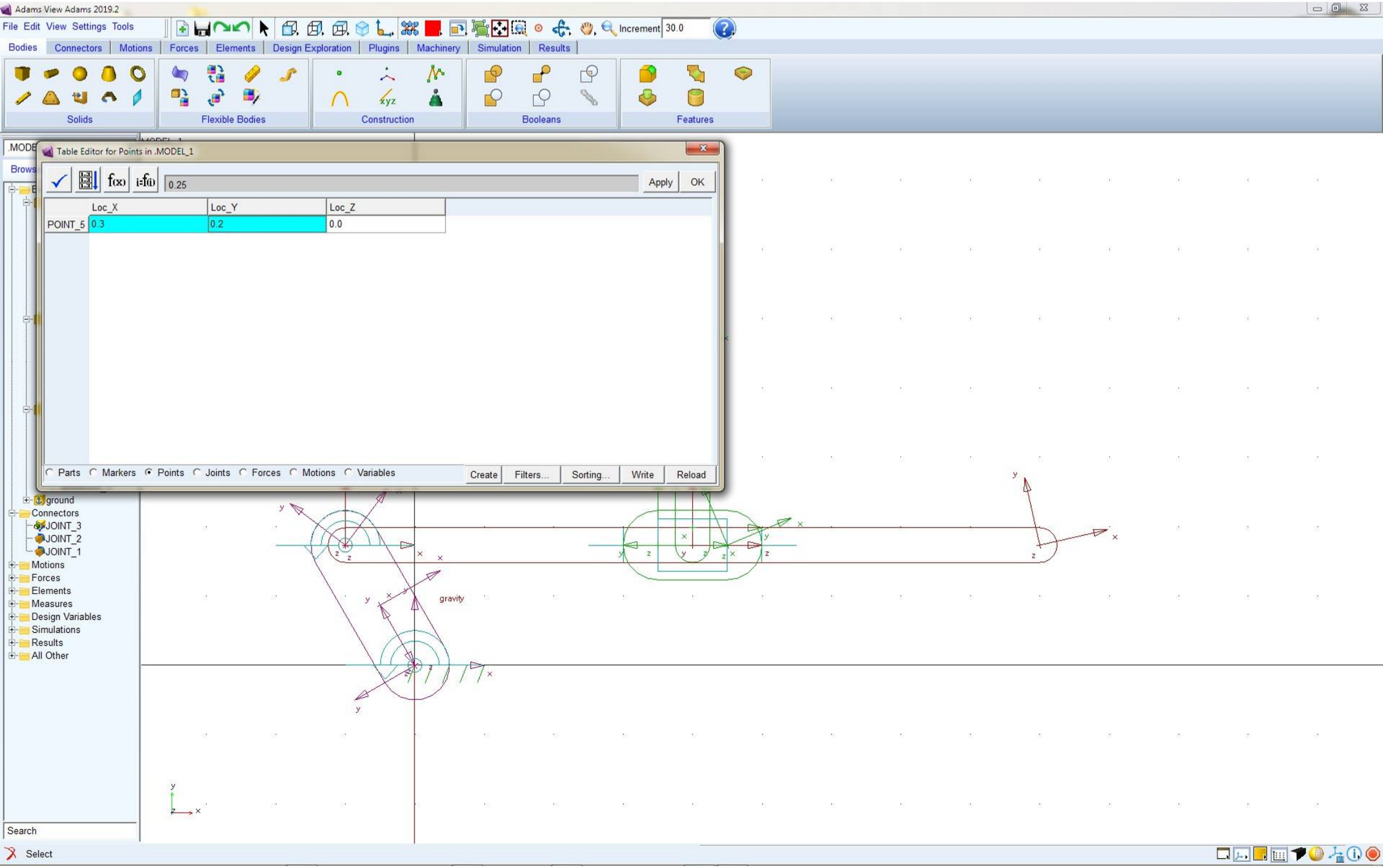
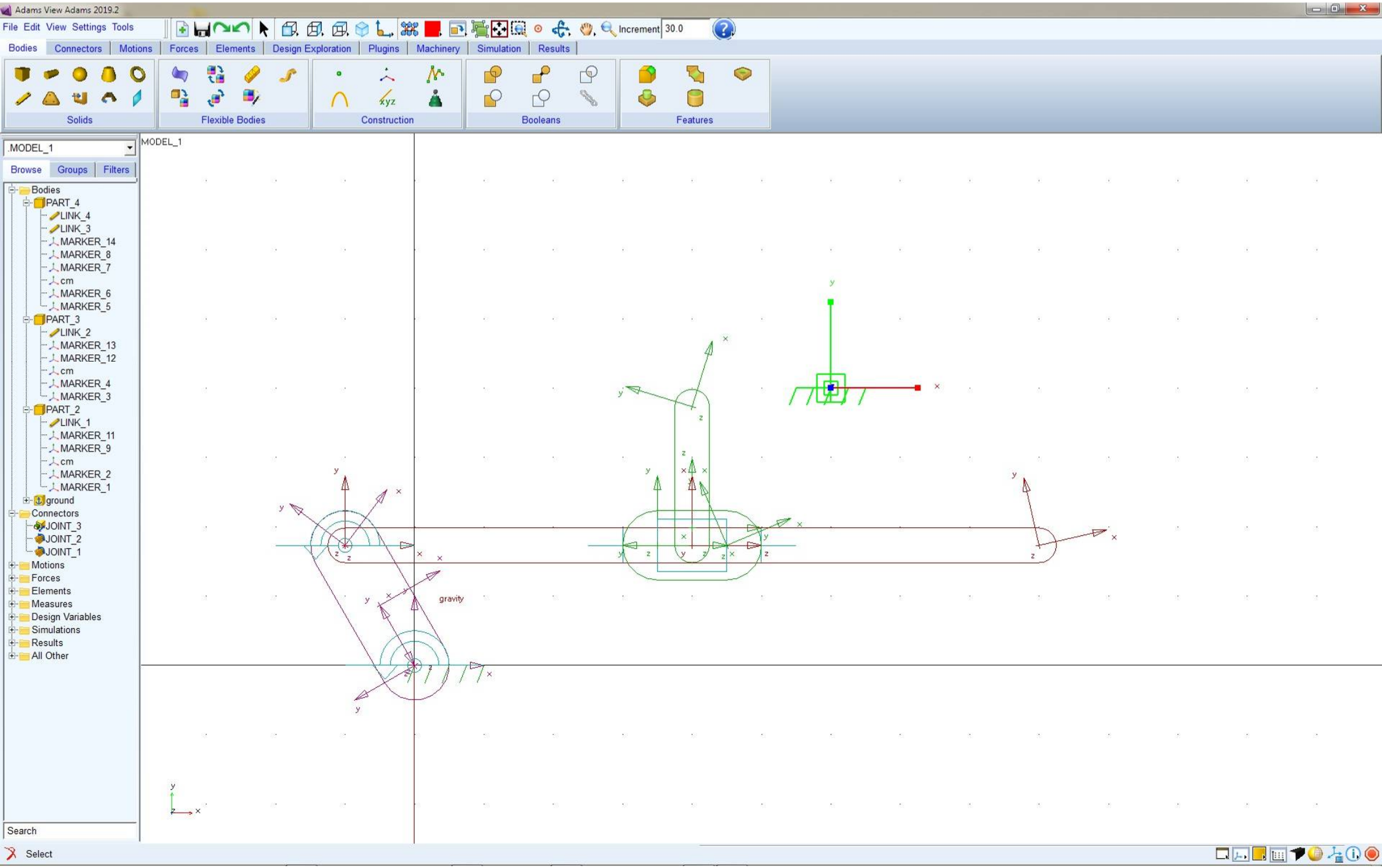
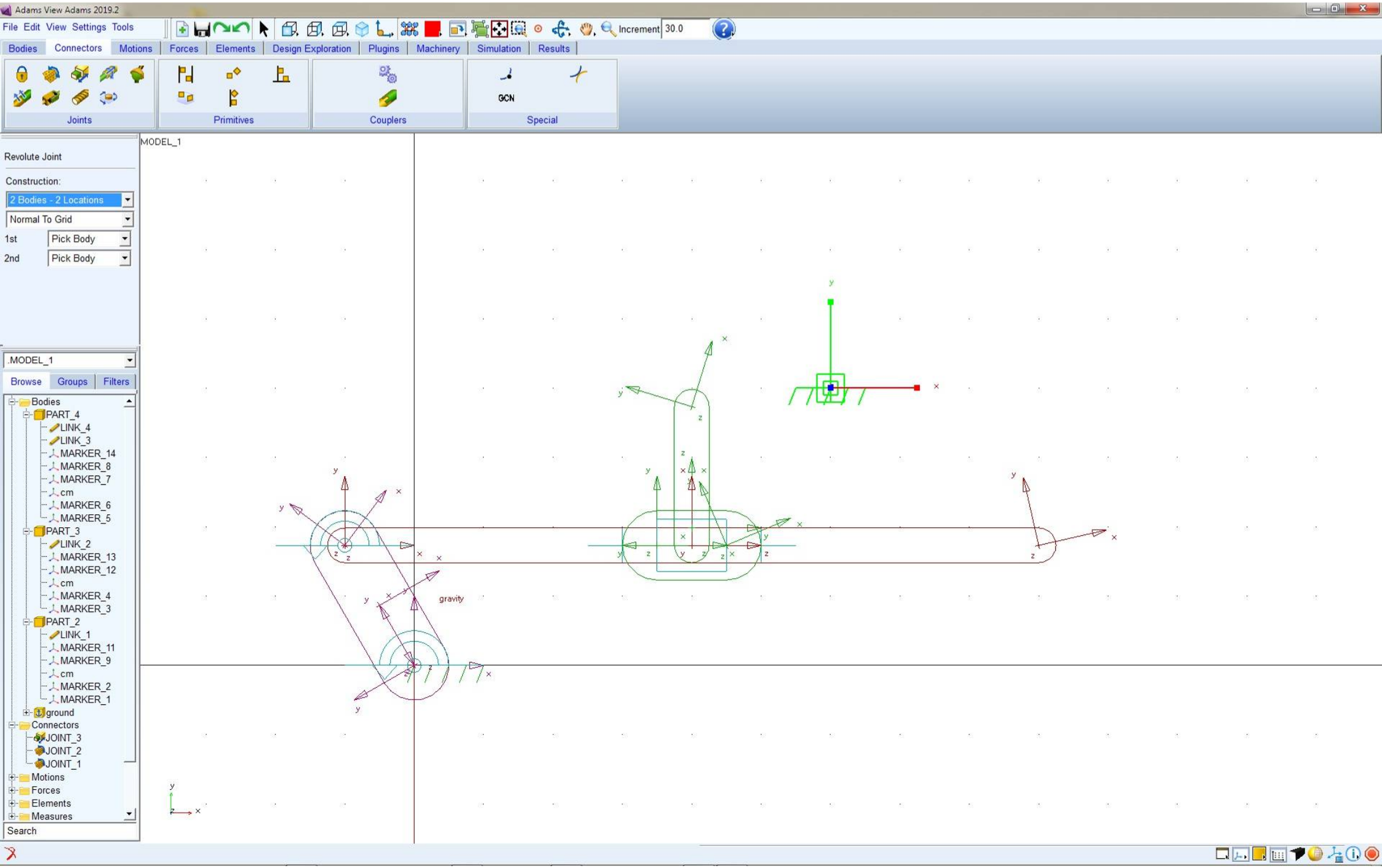
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Solids
Flexible Bodies
Construction
Booleans
Features
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_14
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_13
MARKER_12
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_3
JOINT_2
JOINT_1
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
MODEL_1
gravity
Select

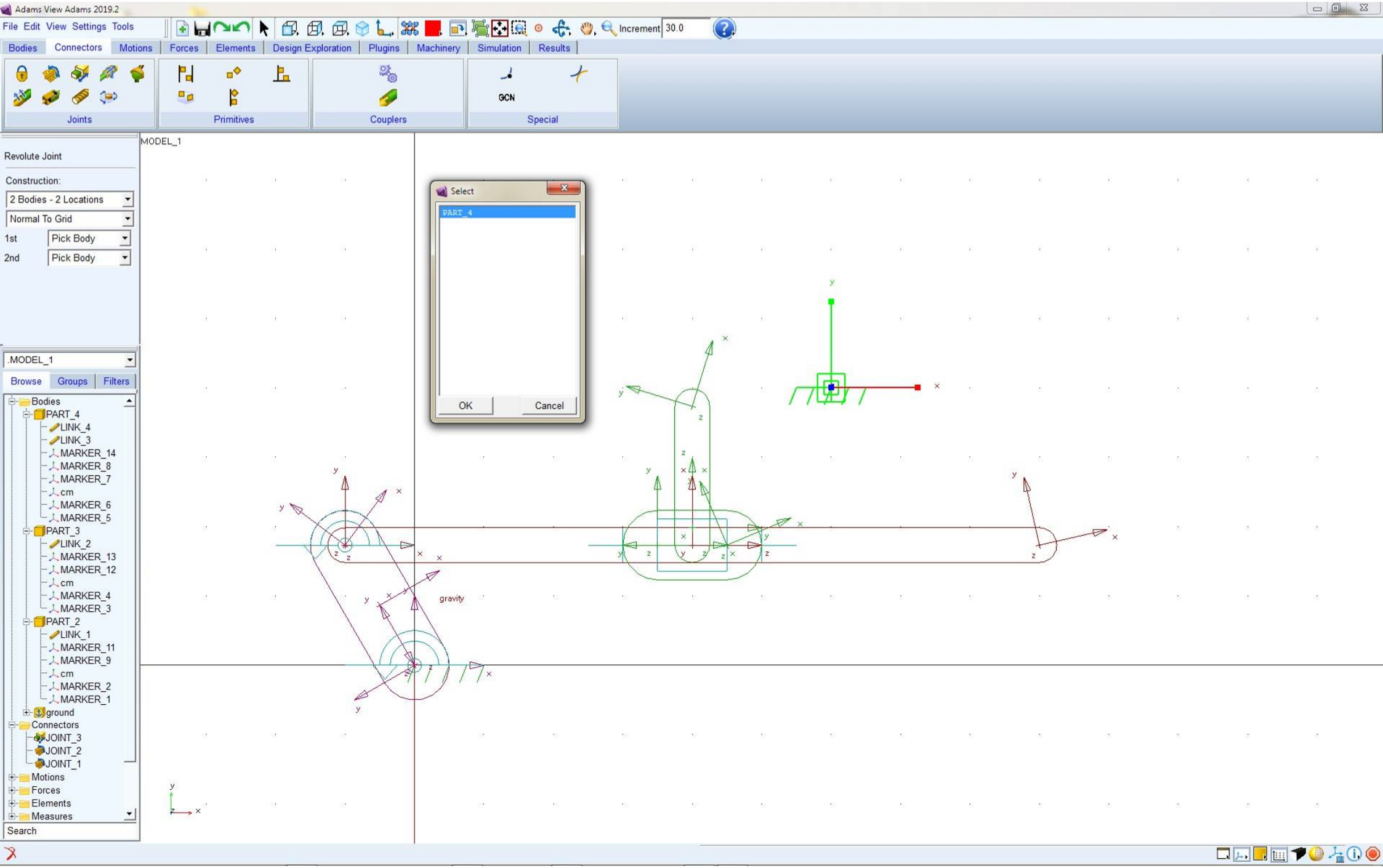

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors
Design Exploration Plugins Machinery Simulation Results
Command Navigator...
Database Navigator...
Function Builder
Table Editor...
Plugin Manager...
Measure Distance...
Aggregate Mass...
Remove Unused Markers...
Merge Two Models...
Model Topology Map
Model Verify
System Command...
Read Command File F2
Log File...
Macro
Menu
Dialog Box
Ribbon
Purge Cache Files
Solids
Construction
Booleans
Features
.MODEL_1
Browse Groups
Bodies
PART_4
LINK_4
LINK_3
MARKER_1
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_1
MARKER_1
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_3
JOINT_2
JOINT_1
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
gravity
Search
Display the Table Editor


Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Solids
Flexible Bodies
Construction
Booleans
Features
Table Editor for Points in .MODEL_1
0.25
Apply
OK
Loc_X
Loc_Y
Loc_Z
POINT_5
0.1
0.25
0.0
Parts Markers Points Joints Forces Motions Variables
Create
Filters...
Sorting...
Write
Reload
ground
Connectors
JOINT_3
JOINT_2
JOINT_1
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
gravity
Search
Select


Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Solids
Flexible Bodies
Construction
Booleans
Features
Table Editor for Points in .MODEL_1
0.25
Apply
OK
Loc_X
Loc_Y
Loc_Z
POINT_5
0.3
0.2
0.0
Parts Markers Points Joints Forces Motions Variables
Create
Filters...
Sorting...
Write
Reload
ground
Connectors
JOINT_3
JOINT_2
JOINT_1
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
gravity
Search
Select


Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Solids
Flexible Bodies
Construction
Booleans
Features
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_14
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_13
MARKER_12
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_3
JOINT_2
JOINT_1
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
MODEL_1
gravity
Select


Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Joints
Primitives
Couplers
Special
GCN
Revolute Joint
Construction:
2 Bodies - 2 Locations
Normal To Grid
1st Pick Body
2nd Pick Body
MODEL_1
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_14
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_13
MARKER_12
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_3
JOINT_2
JOINT_1
Motions
Forces
Elements
Measures
Search
gravity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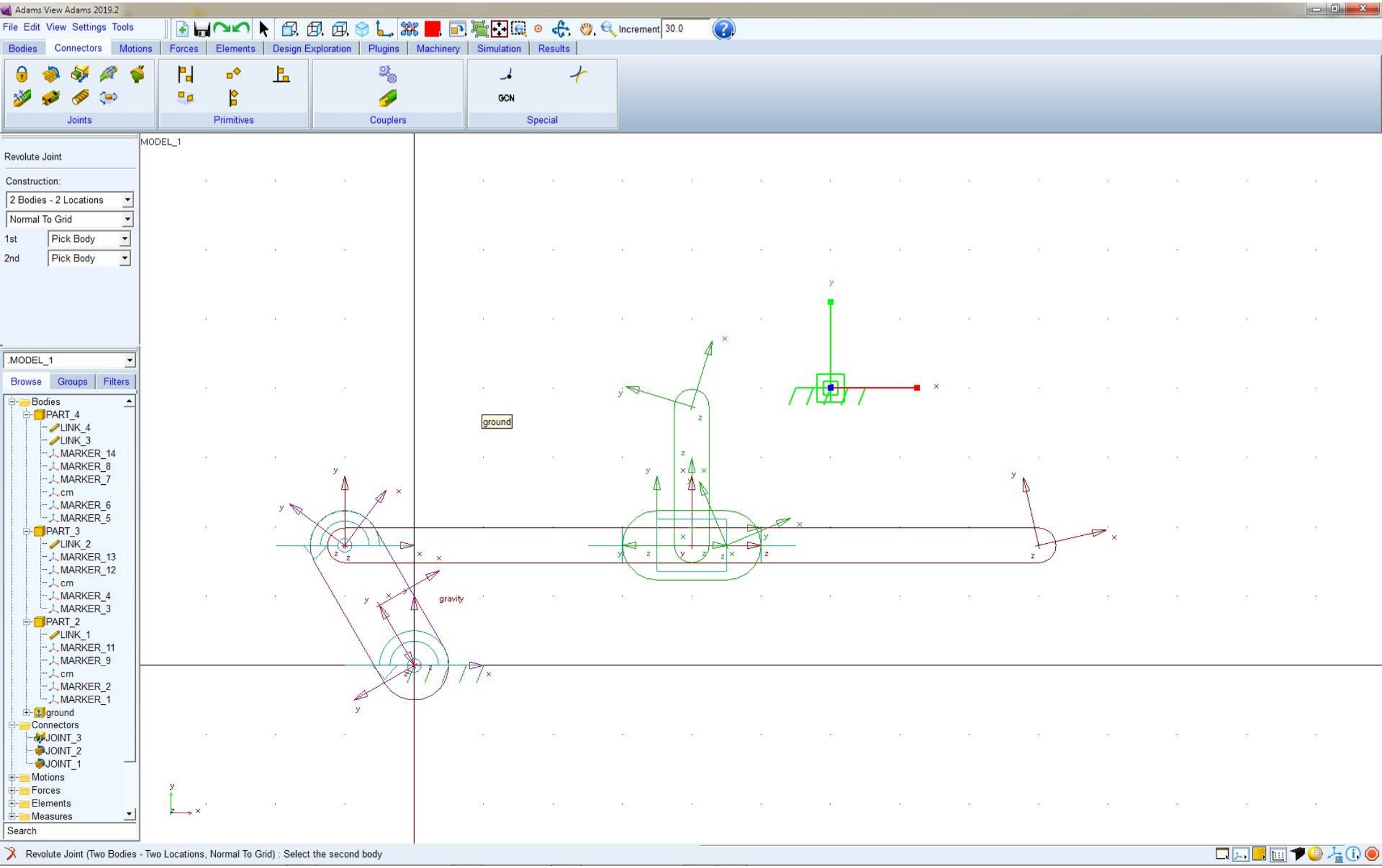
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Joints
Primitives
Couplers
Special
GCN
Revolute Joint
Construction:
2 Bodies - 2 Locations
Normal To Grid
1st Pick Body
2nd Pick Body
MODEL_1
Select
PART_4
OK
Cancel
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_14
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_13
MARKER_12
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_3
JOINT_2
JOINT_1
Motions
Forces
Elements
Measures
Search
gravity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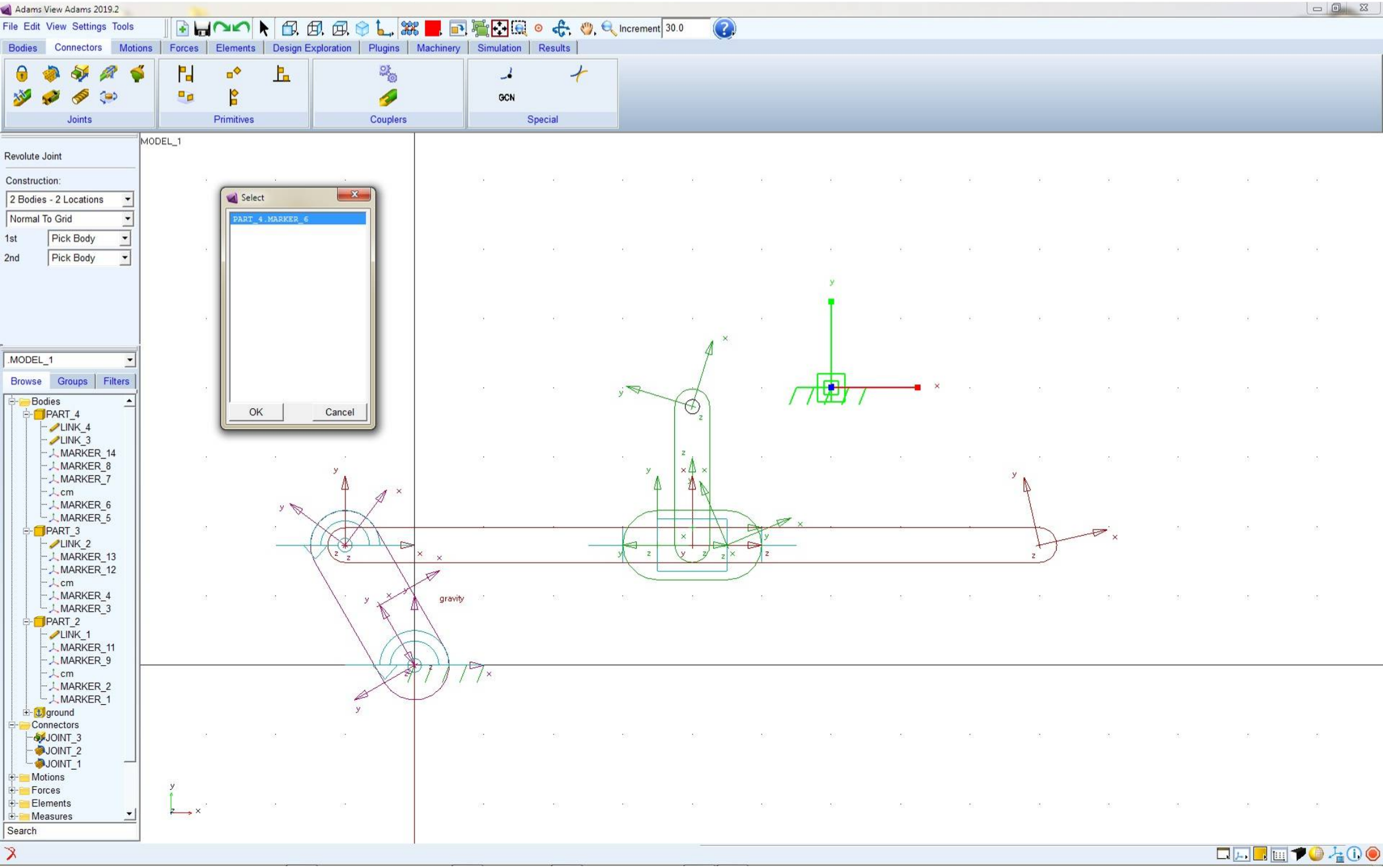
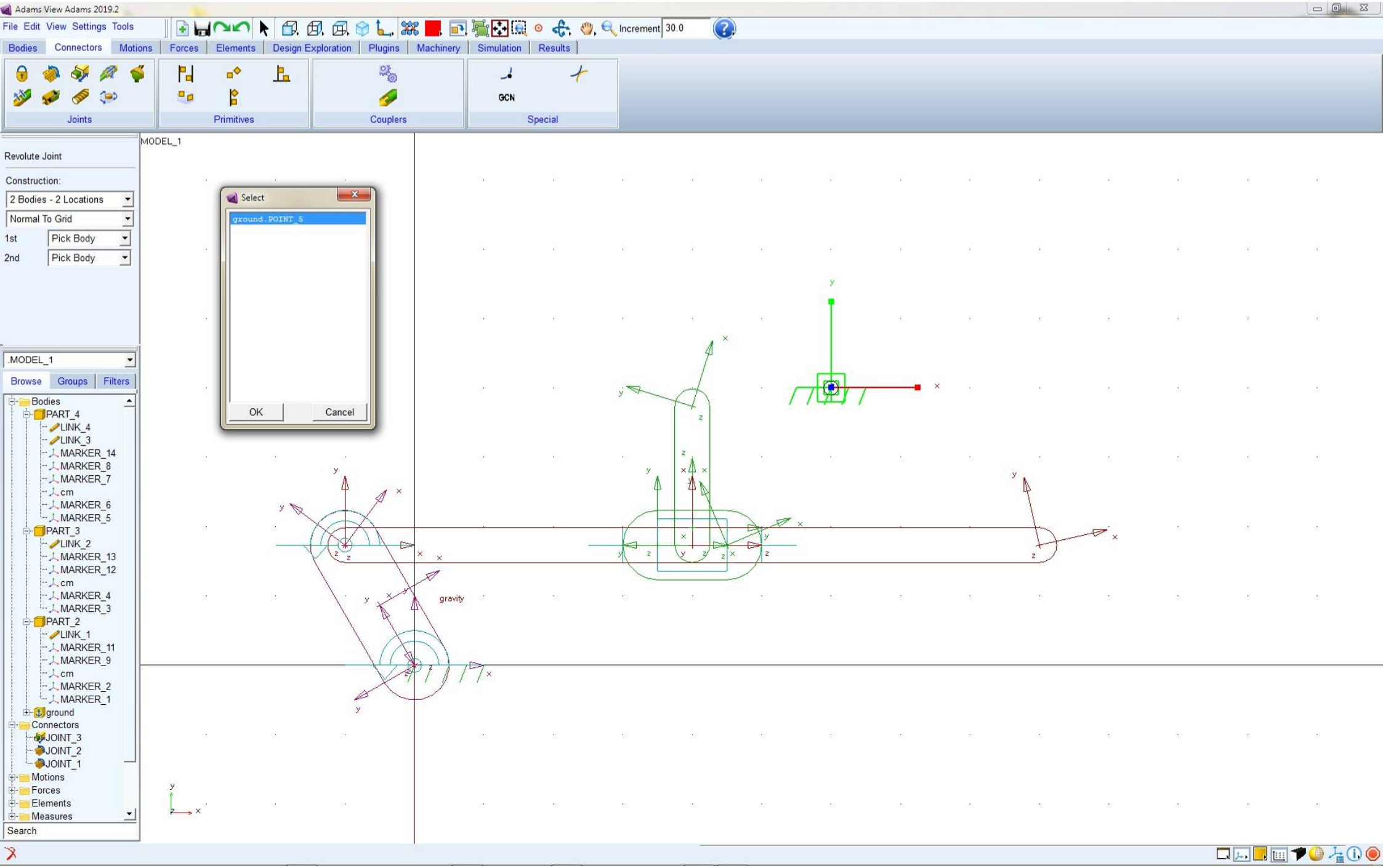
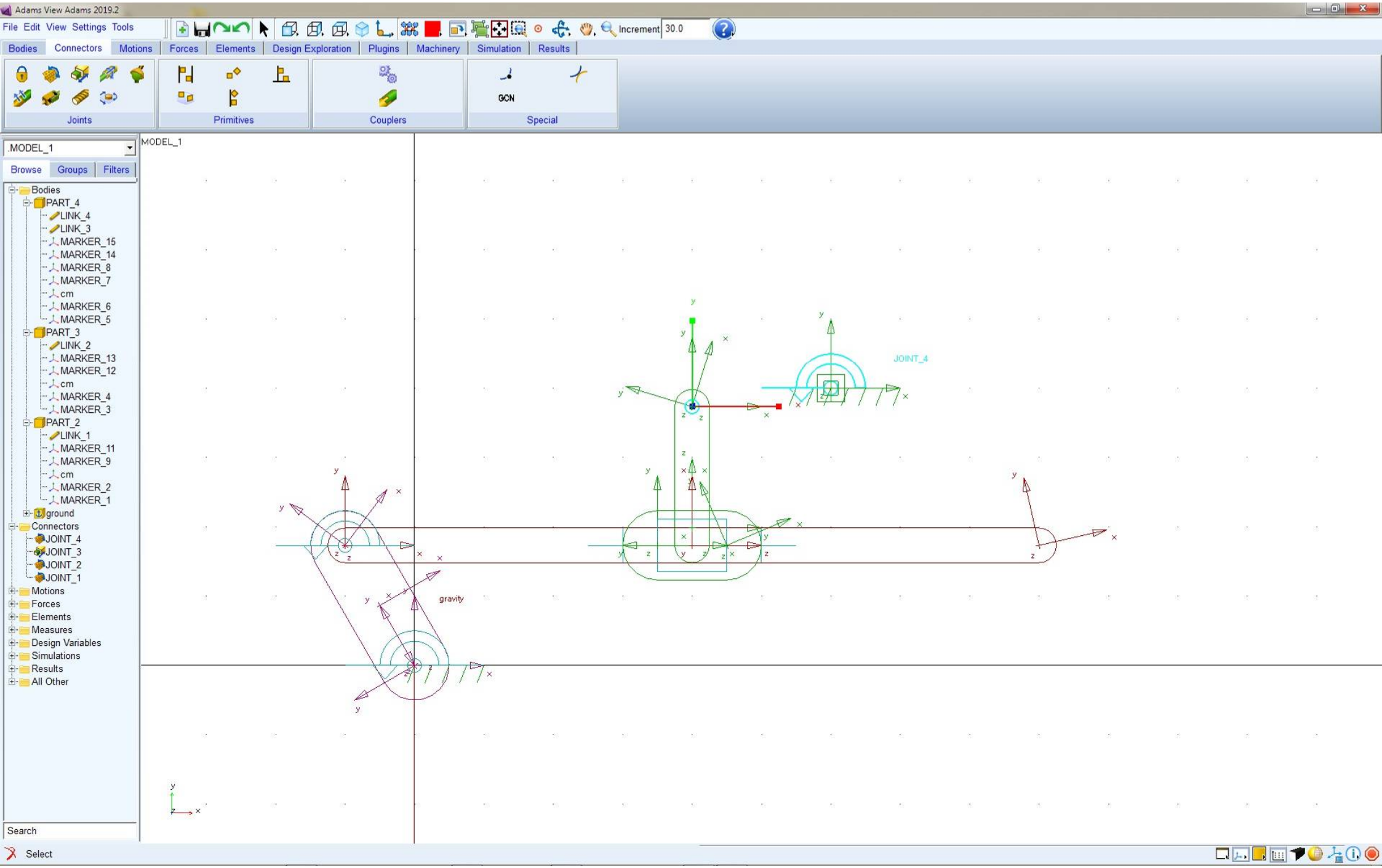
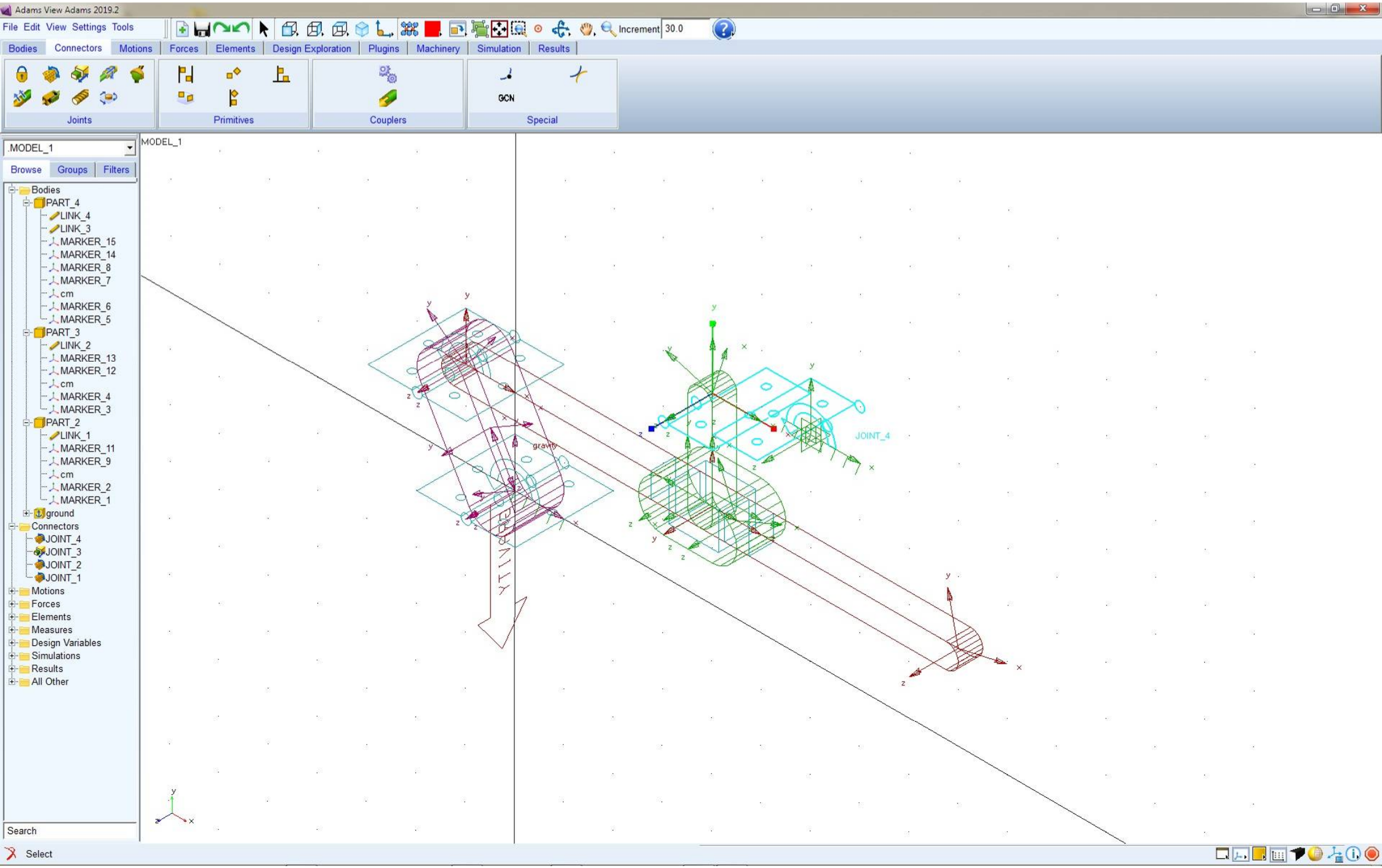
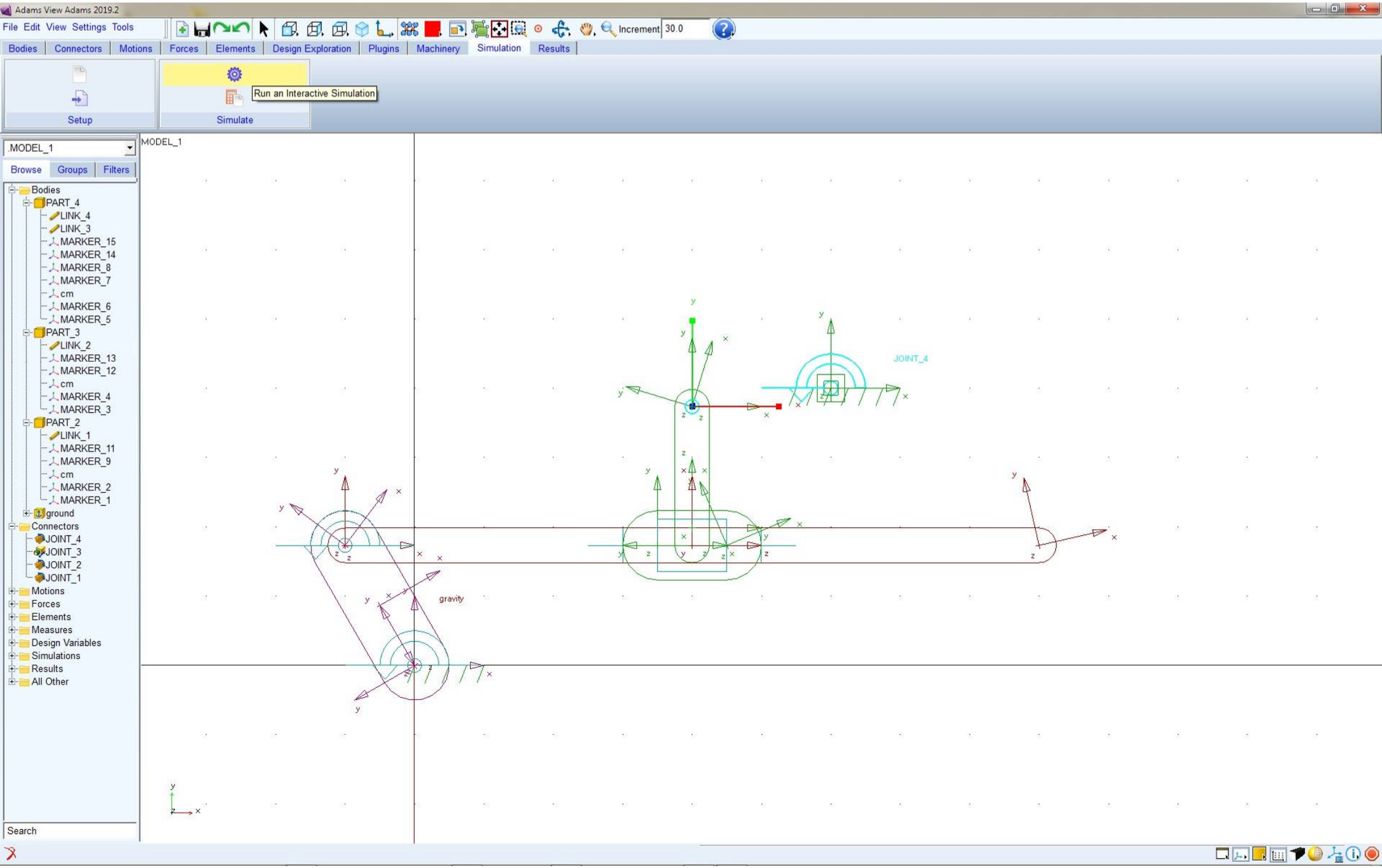
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Joints
Primitives
Couplers
Special
GCN
Revolute Joint
Construction:
2 Bodies - 2 Locations
Normal To Grid
1st Pick Body
2nd Pick Body
MODEL_1
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_14
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_13
MARKER_12
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_3
JOINT_2
JOINT_1
Motions
Forces
Elements
Measures
Search
ground
gravity
Revolute Joint (Two Bodies - Two Locations, Normal To Grid) : Select the second body

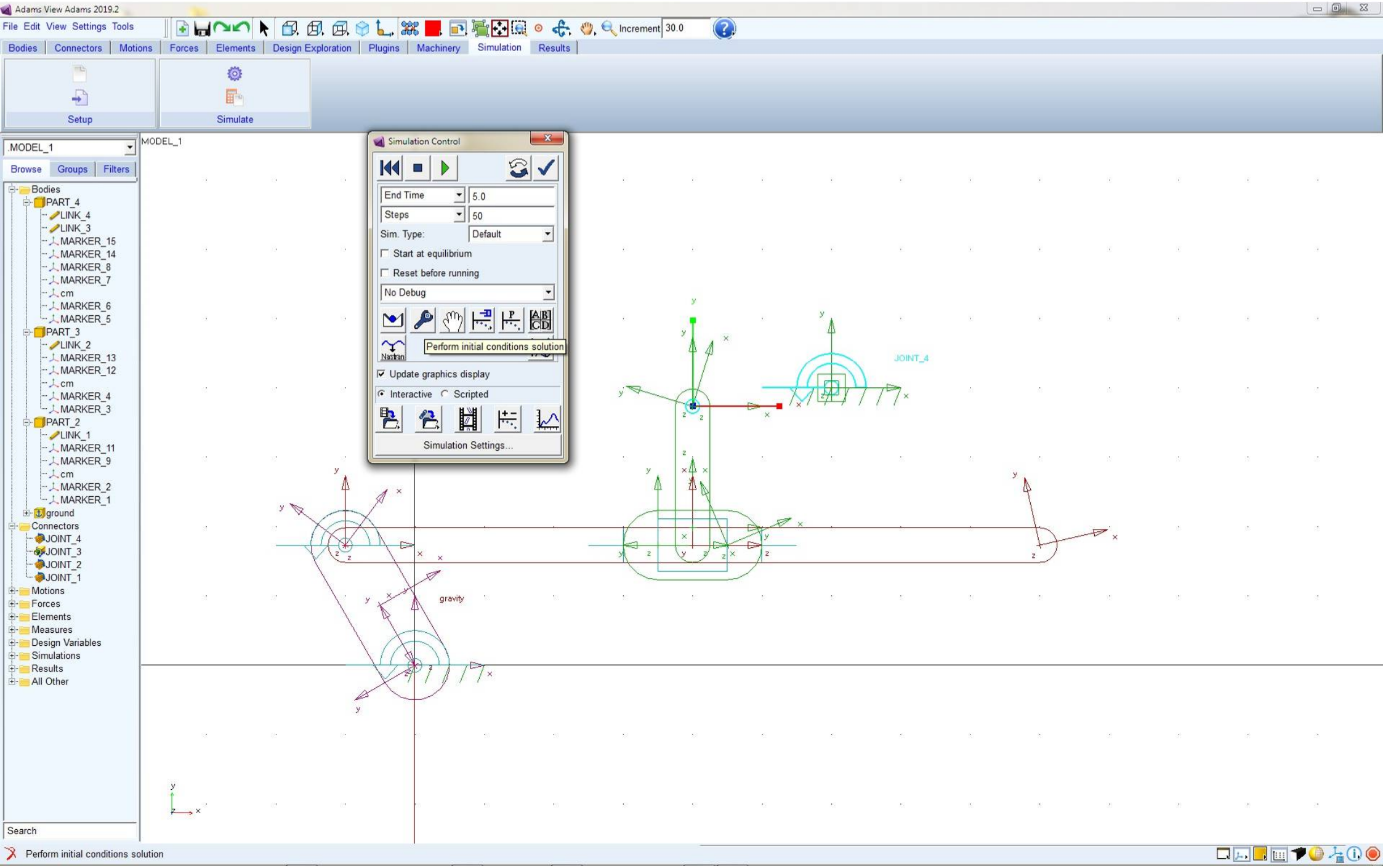

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Joints
Primitives
Couplers
Special
GCN
Revolute Joint
Construction:
2 Bodies - 2 Locations
Normal To Grid
1st Pick Body
2nd Pick Body
MODEL_1
Select
PART_4.MARKER_6
OK
Cancel
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_14
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_13
MARKER_12
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_3
JOINT_2
JOINT_1
Motions
Forces
Elements
Measures
Search
gravity

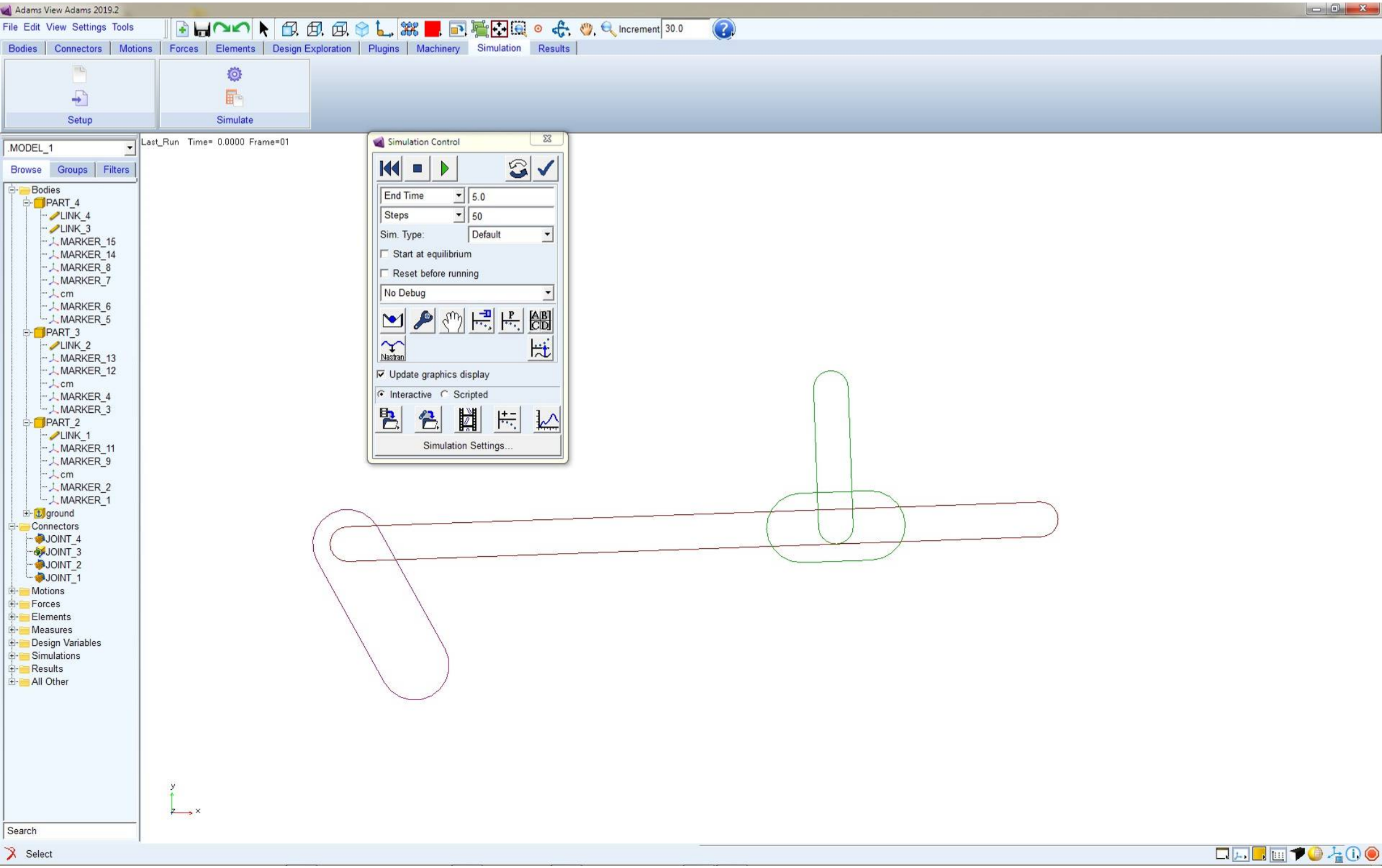

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Joints
Primitives
Couplers
Special
GCN
Revolute Joint
Construction:
2 Bodies - 2 Locations
Normal To Grid
1st Pick Body
2nd Pick Body
MODEL_1
Select
ground.POINT_5
OK
Cancel
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_14
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_13
MARKER_12
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_3
JOINT_2
JOINT_1
Motions
Forces
Elements
Measures
Search
gravity

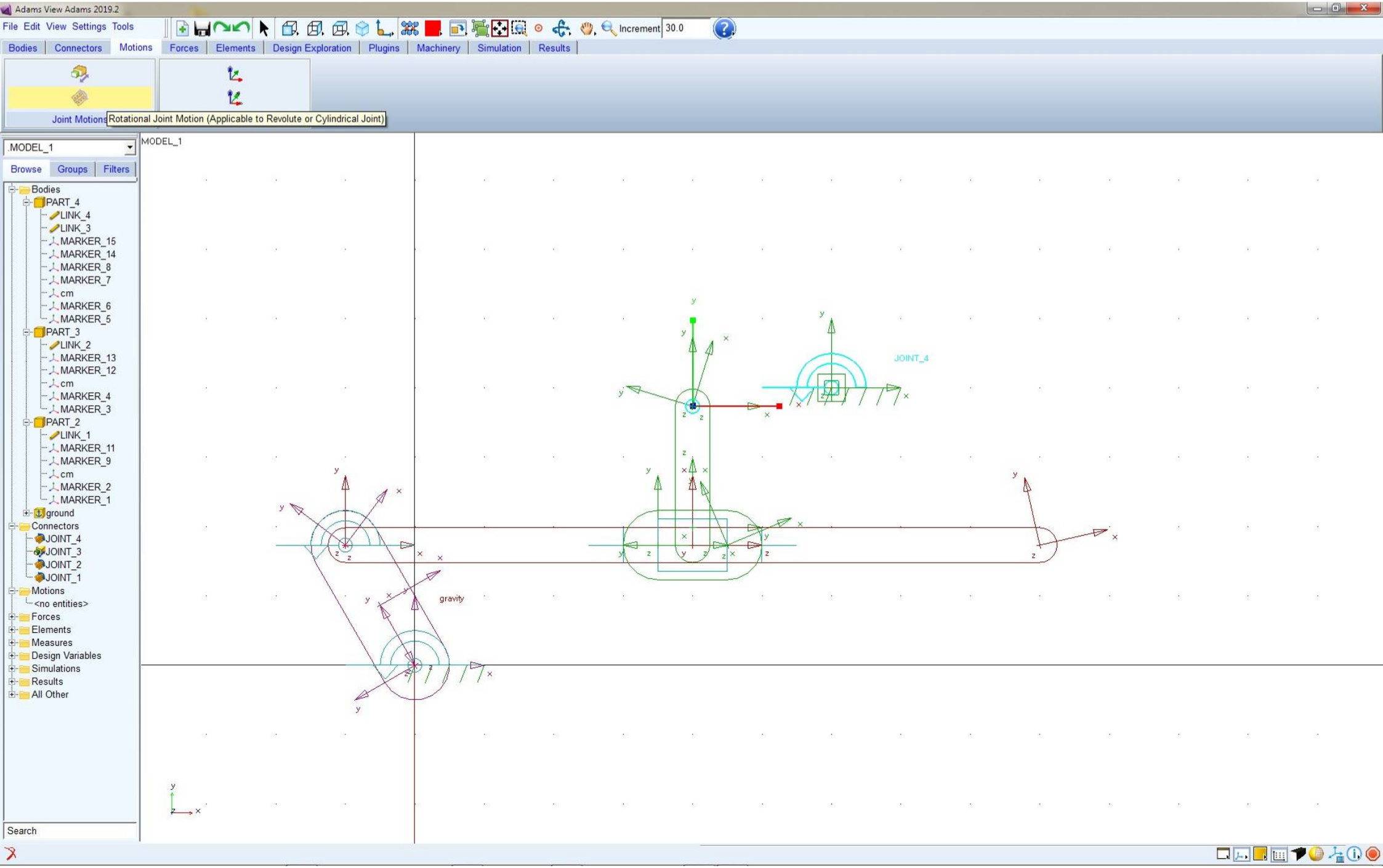

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Joints
Primitives
Couplers
Special
GCN
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_15
MARKER_14
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_13
MARKER_12
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_4
JOINT_3
JOINT_2
JOINT_1
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
MODEL_1
JOINT_4
gravity
Select

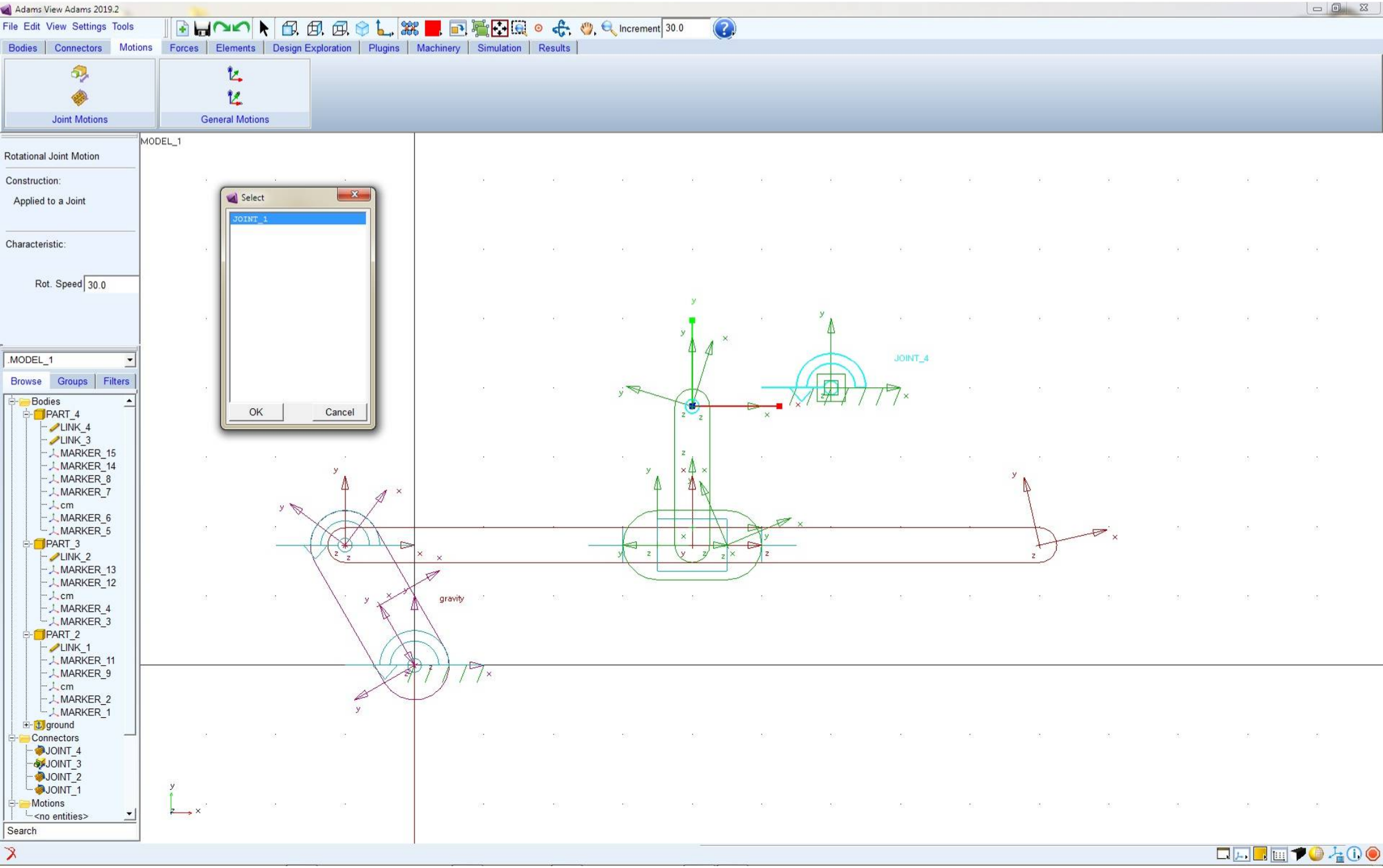

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Joints
Primitives
Couplers
Special
GCN
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_15
MARKER_14
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_13
MARKER_12
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_4
JOINT_3
JOINT_2
JOINT_1
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
MODEL_1
gravity
JOINT_4
Select

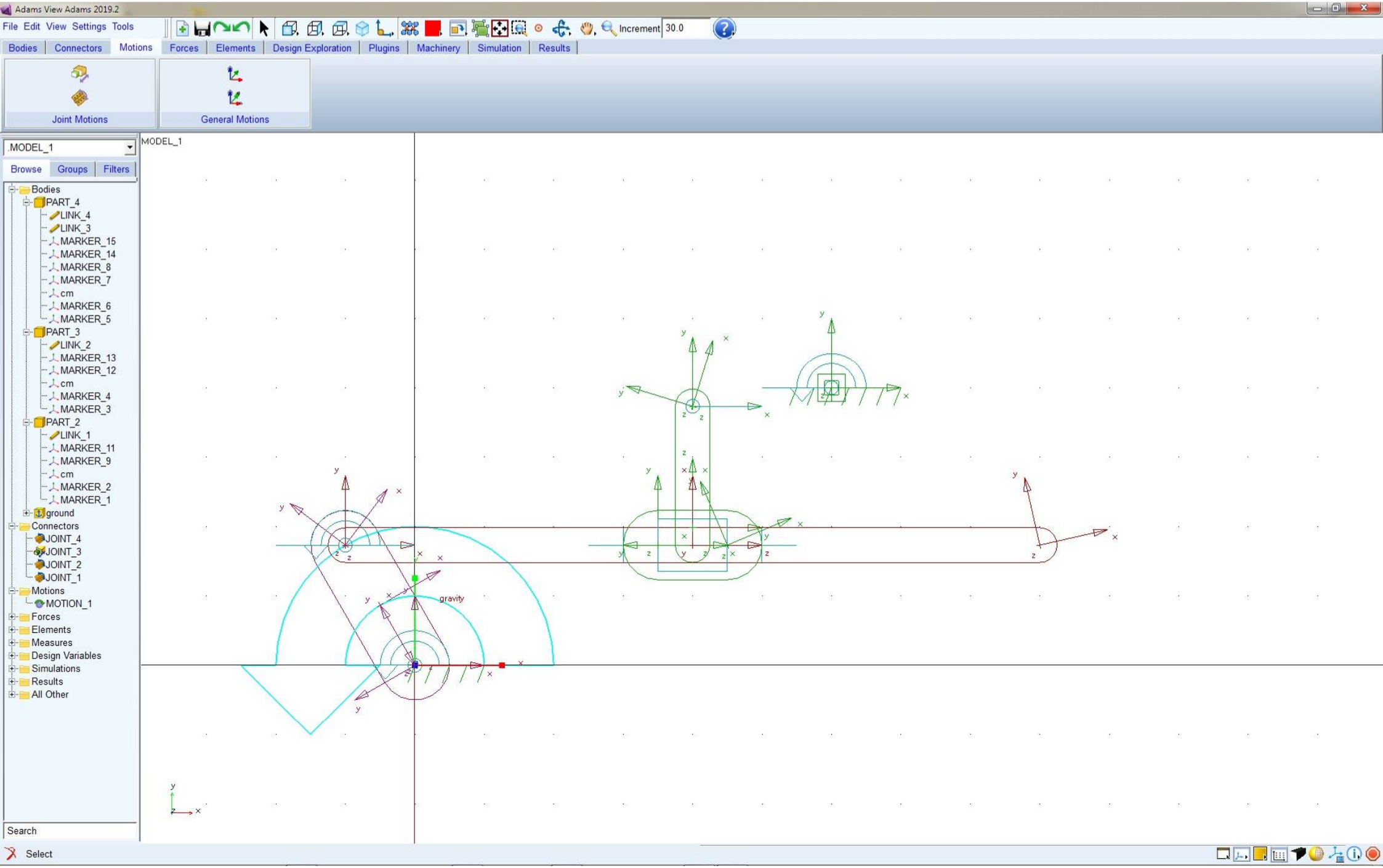

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Run an Interactive Simulation
Setup
Simulate
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_15
MARKER_14
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_13
MARKER_12
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_4
JOINT_3
JOINT_2
JOINT_1
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
MODEL_1
JOINT_4
gravity

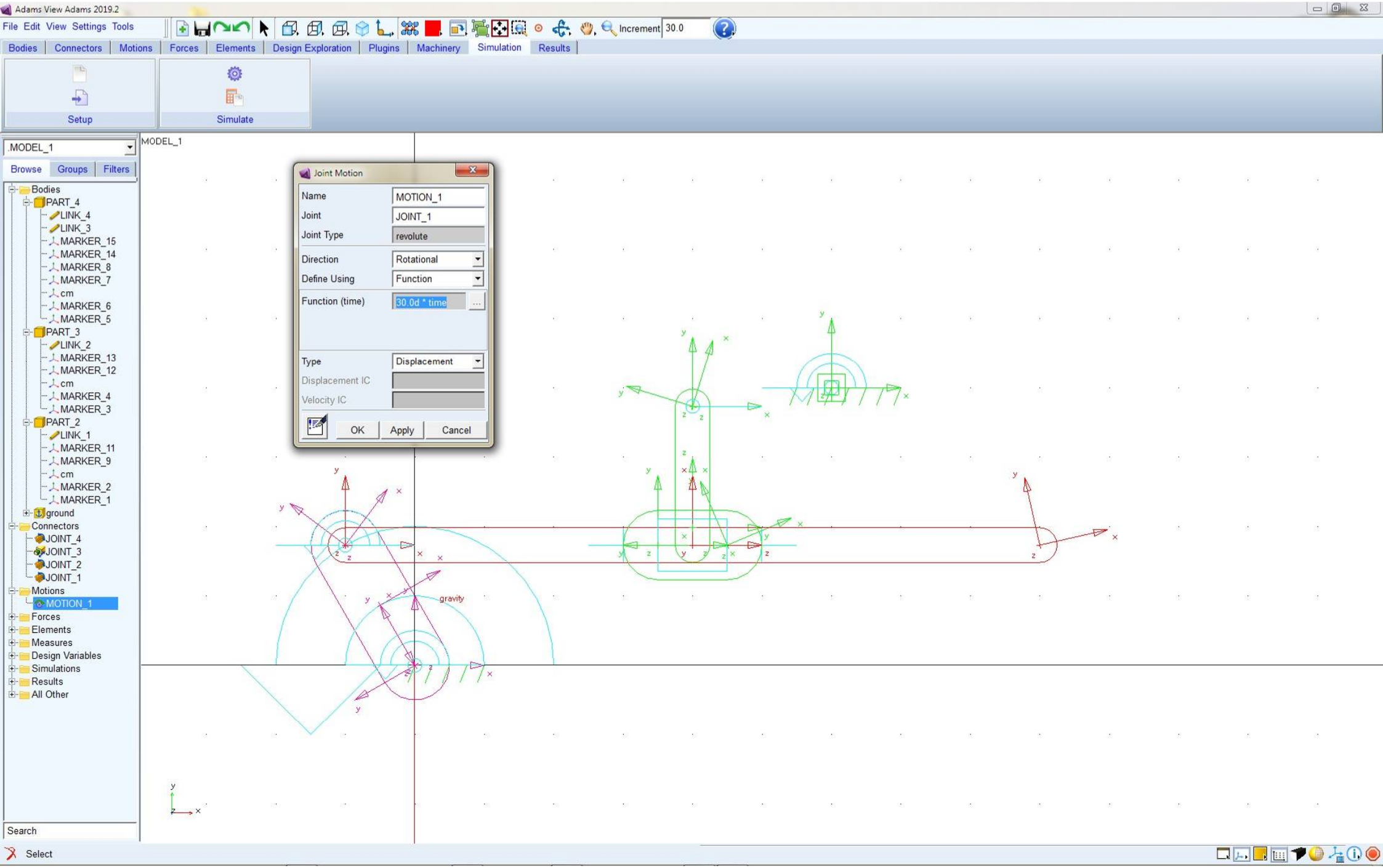

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Setup
Simulate
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_15
MARKER_14
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_13
MARKER_12
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_4
JOINT_3
JOINT_2
JOINT_1
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
MODEL_1
Simulation Control
End Time 5.0
Steps 50
Sim. Type: Default
Start at equilibrium
Reset before running
No Debug
Nastran
Perform initial conditions solution
Update graphics display
Interactive Scripted
Simulation Settings...
JOINT_4
gravity
Perform initial conditions solution

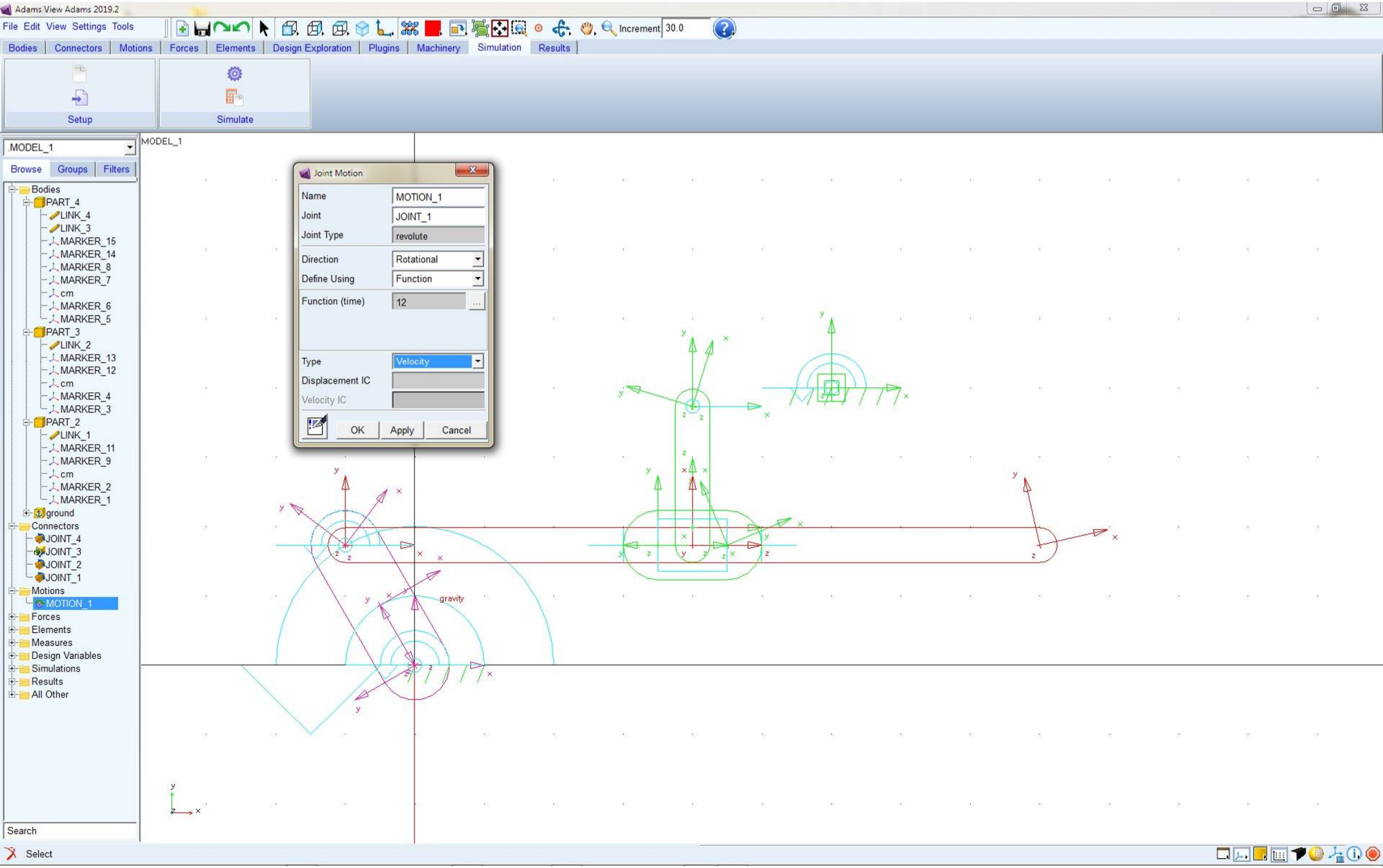

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Setup
Simulate
.MODEL_1
Last_Run Time= 0.0000 Frame=01
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_15
MARKER_14
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_13
MARKER_12
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_4
JOINT_3
JOINT_2
JOINT_1
Motions
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
Simulation Control
End Time 5.0
Steps 50
Sim. Type: Default
Start at equilibrium
Reset before running
No Debug
Nastran
Update graphics display
Interactive Scripted
Simulation Settings...
Select

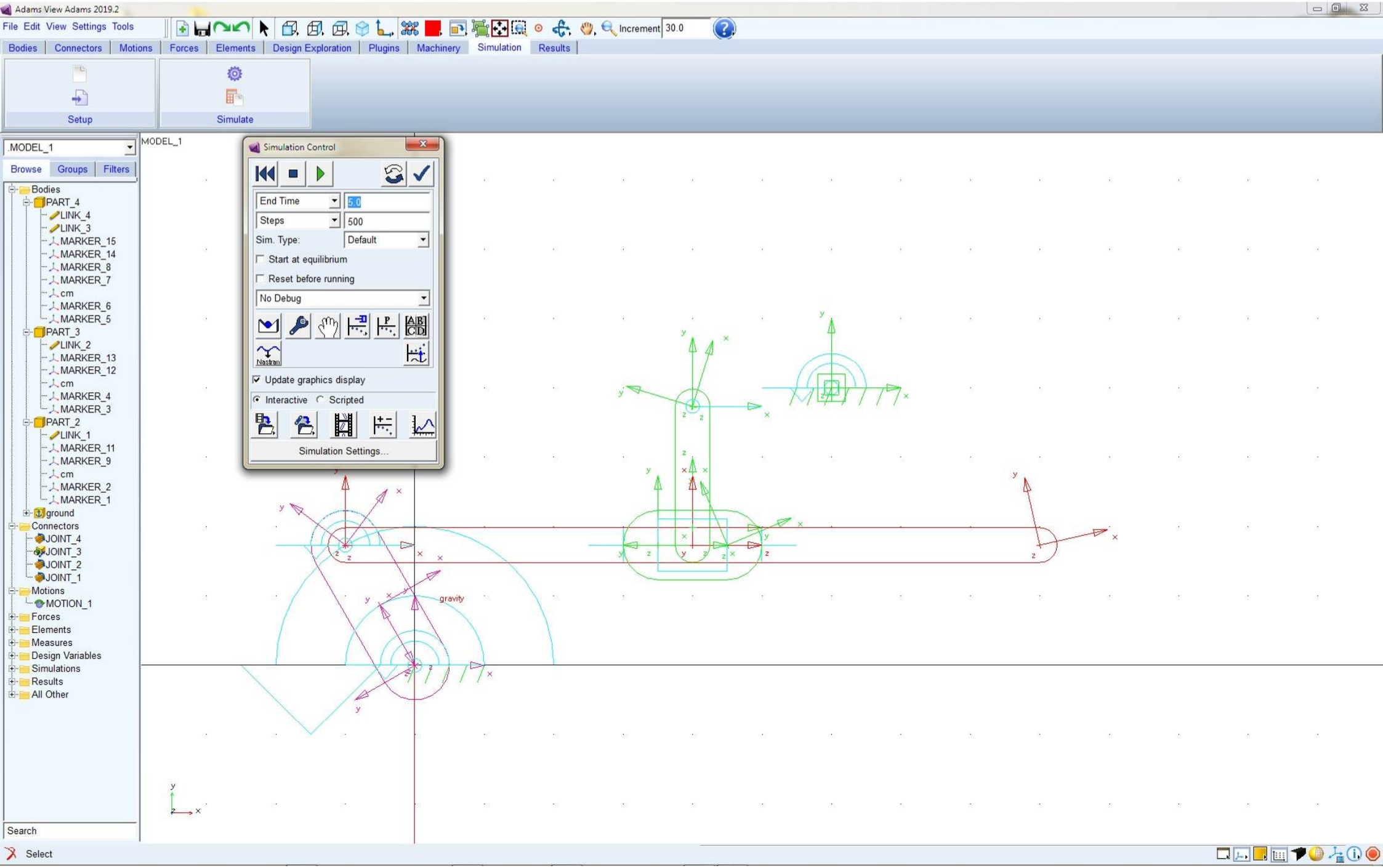

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Joint Motions
Rotational Joint Motion (Applicable to Revolute or Cylindrical Joint)
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_15
MARKER_14
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_13
MARKER_12
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_4
JOINT_3
JOINT_2
JOINT_1
Motions
<no entities>
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
MODEL_1
JOINT_4
gravity

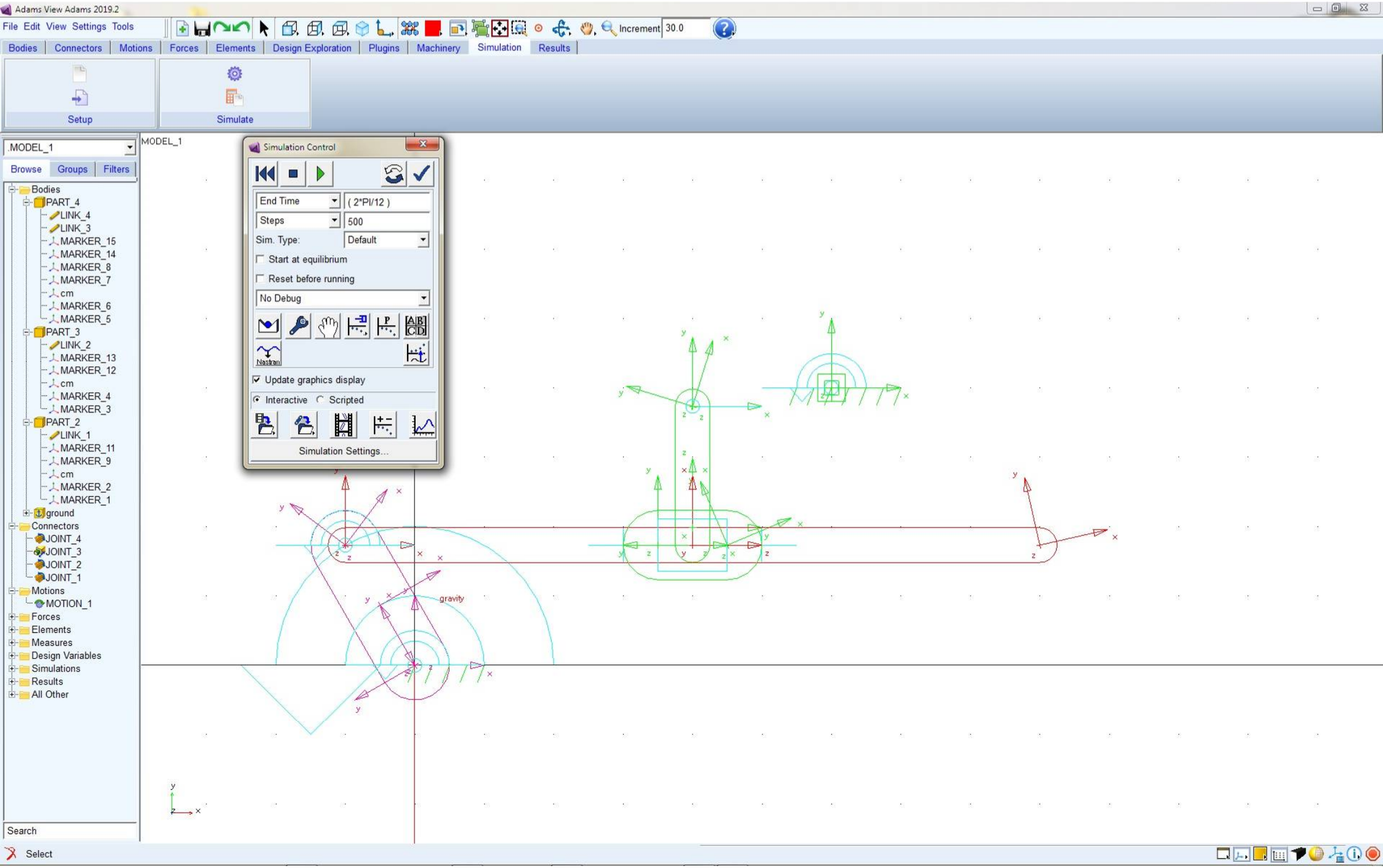

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Joint Motions
General Motions
MODEL_1
Rotational Joint Motion
Construction:
Applied to a Joint
Characteristic:
Rot. Speed 30.0
Select
JOINT_1
OK
Cancel
JOINT_4
gravity
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_15
MARKER_14
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_13
MARKER_12
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_4
JOINT_3
JOINT_2
JOINT_1
Motions
<no entities>
Search

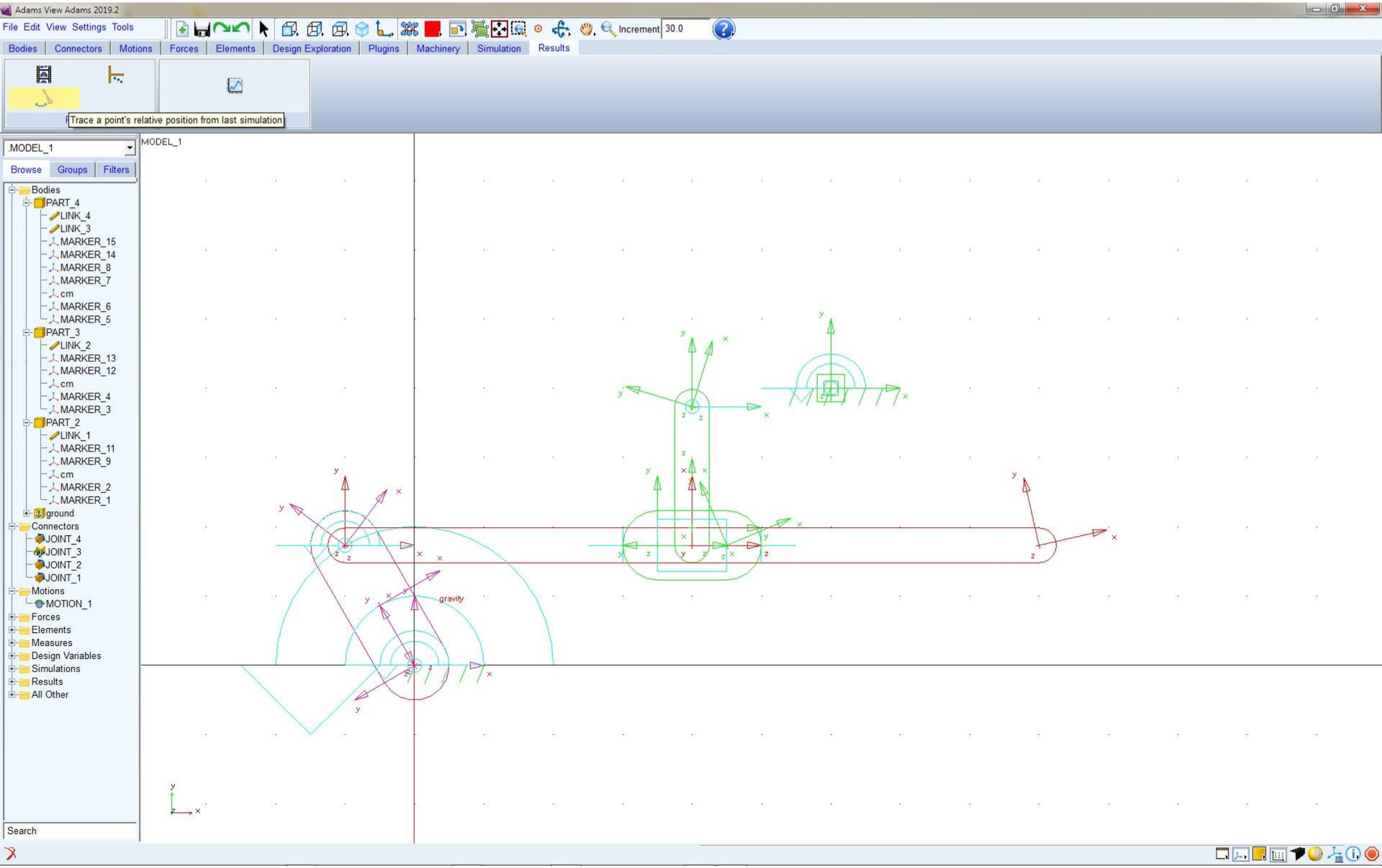

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Joint Motions
General Motions
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_15
MARKER_14
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_13
MARKER_12
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_4
JOINT_3
JOINT_2
JOINT_1
Motions
MOTION_1
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
MODEL_1
gravity
Select

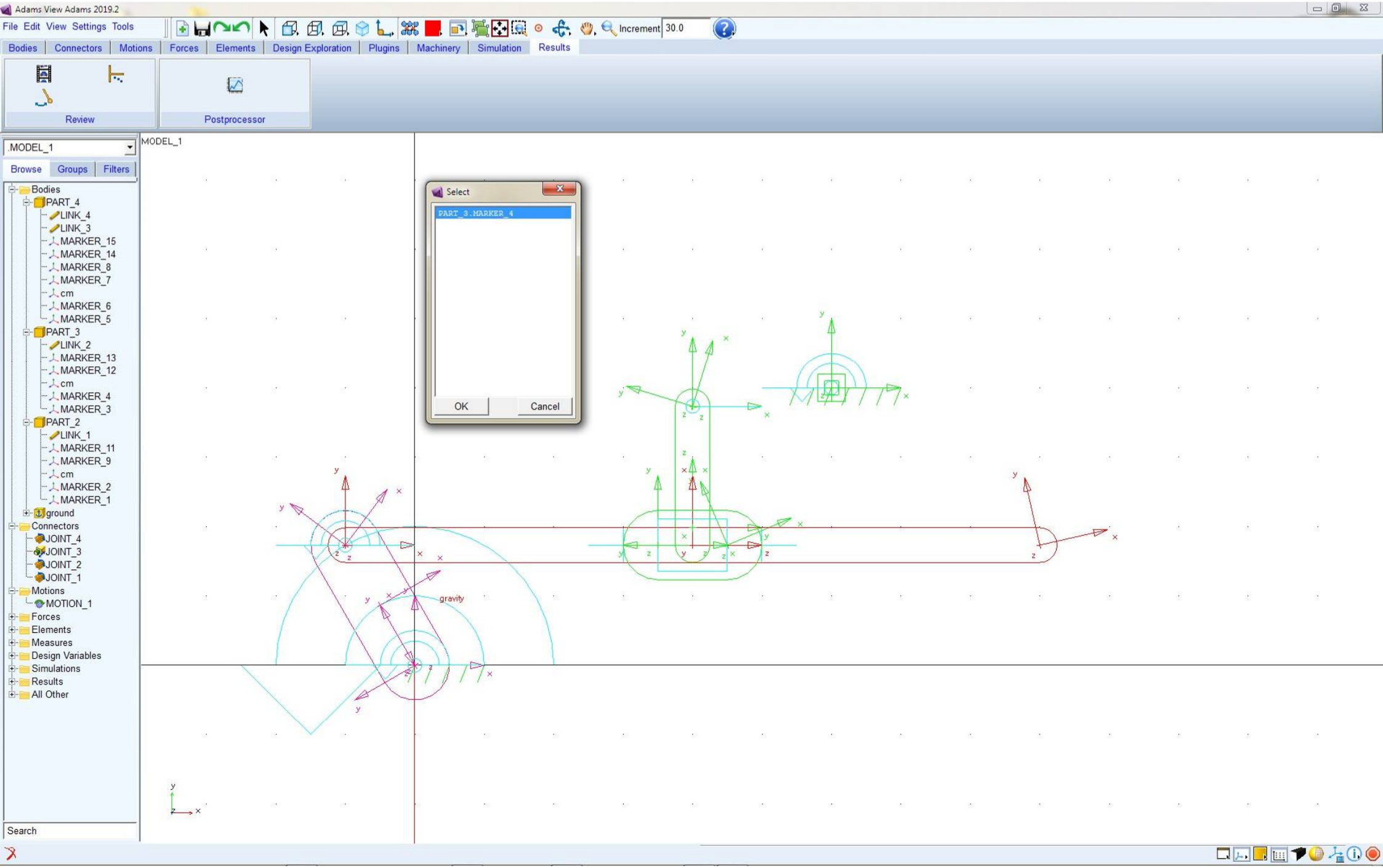

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Setup
Simulate
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_15
MARKER_14
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_13
MARKER_12
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_4
JOINT_3
JOINT_2
JOINT_1
Motions
MOTION_1
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
MODEL_1
Joint Motion
Name MOTION_1
Joint JOINT_1
Joint Type revolute
Direction Rotational
Define Using Function
Function (time) 30.0d * time
Type Displacement
Displacement IC
Velocity IC
OK Apply Cancel
gravity
Select

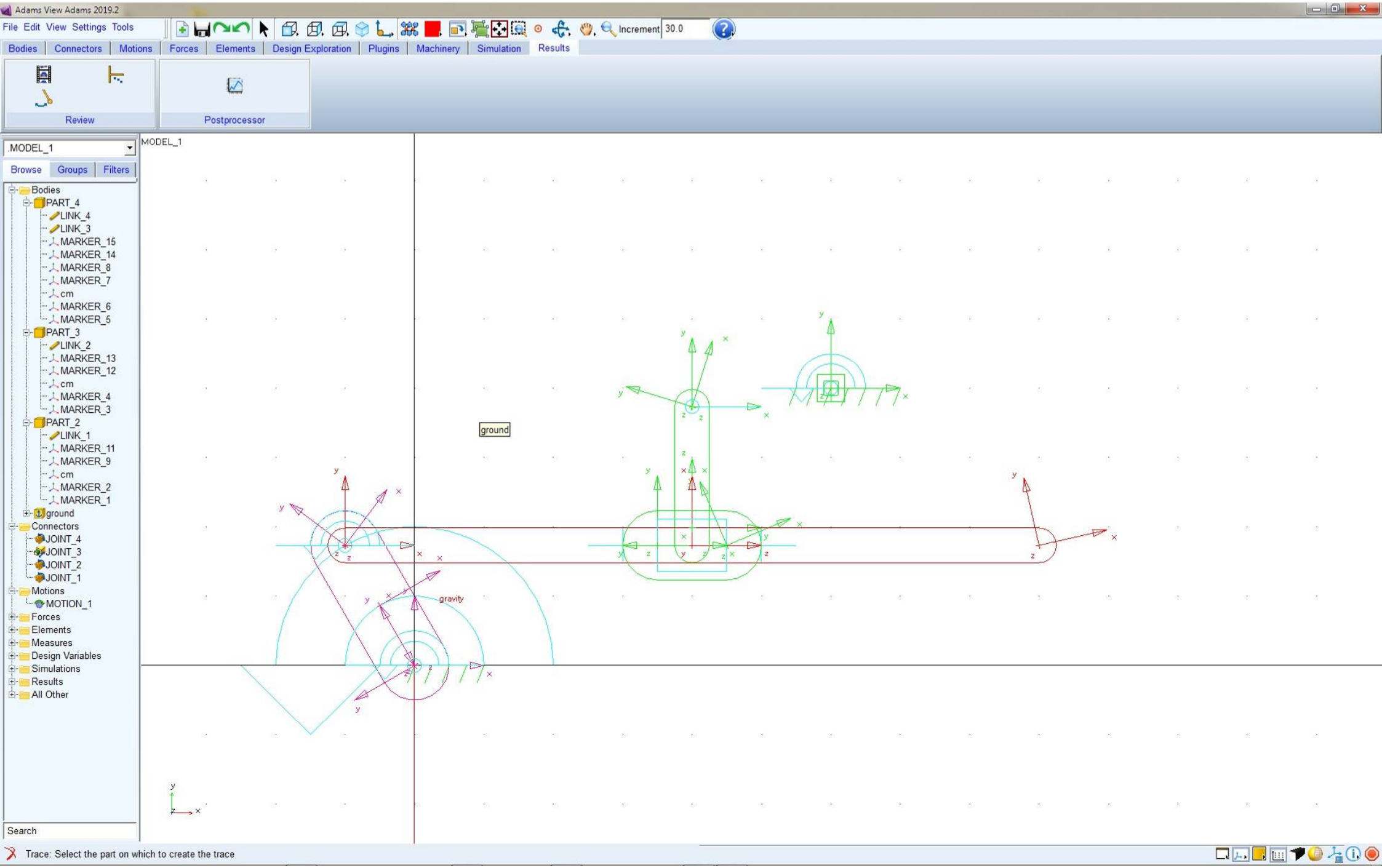

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Setup
Simulate
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_15
MARKER_14
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_13
MARKER_12
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_4
JOINT_3
JOINT_2
JOINT_1
Motions
MOTION_1
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
MODEL_1
Joint Motion
Name MOTION_1
Joint JOINT_1
Joint Type revolute
Direction Rotational
Define Using Function
Function (time) 12
Type Velocity
Displacement IC
Velocity IC
OK Apply Cancel
gravity
Select

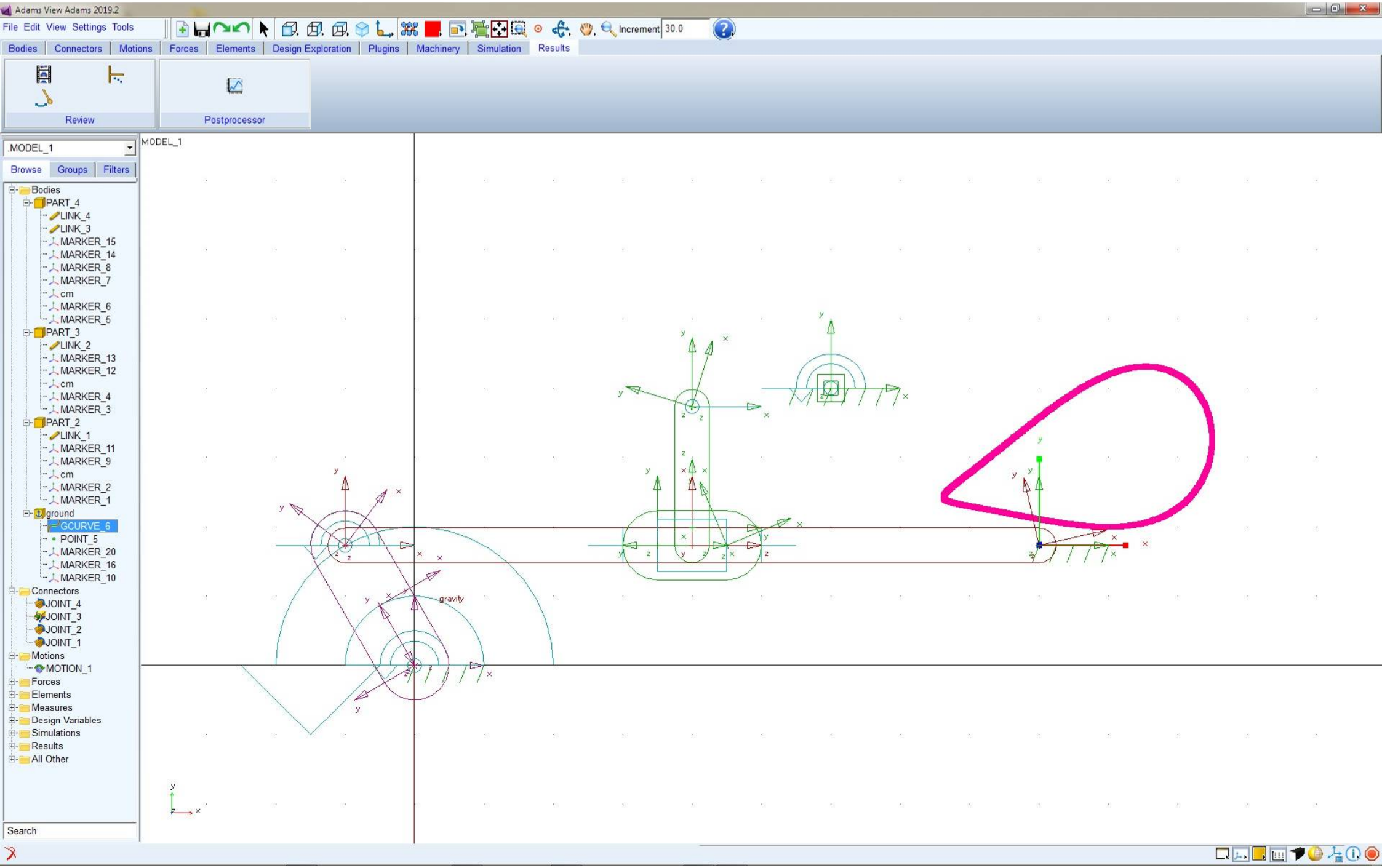

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Setup
Simulate
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_15
MARKER_14
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_13
MARKER_12
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_4
JOINT_3
JOINT_2
JOINT_1
Motions
MOTION_1
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
MODEL_1
Simulation Control
End Time 5.0
Steps 500
Sim. Type: Default
Start at equilibrium
Reset before running
No Debug
Nastran
Update graphics display
Interactive Scripted
Simulation Settings...
gravity
Select

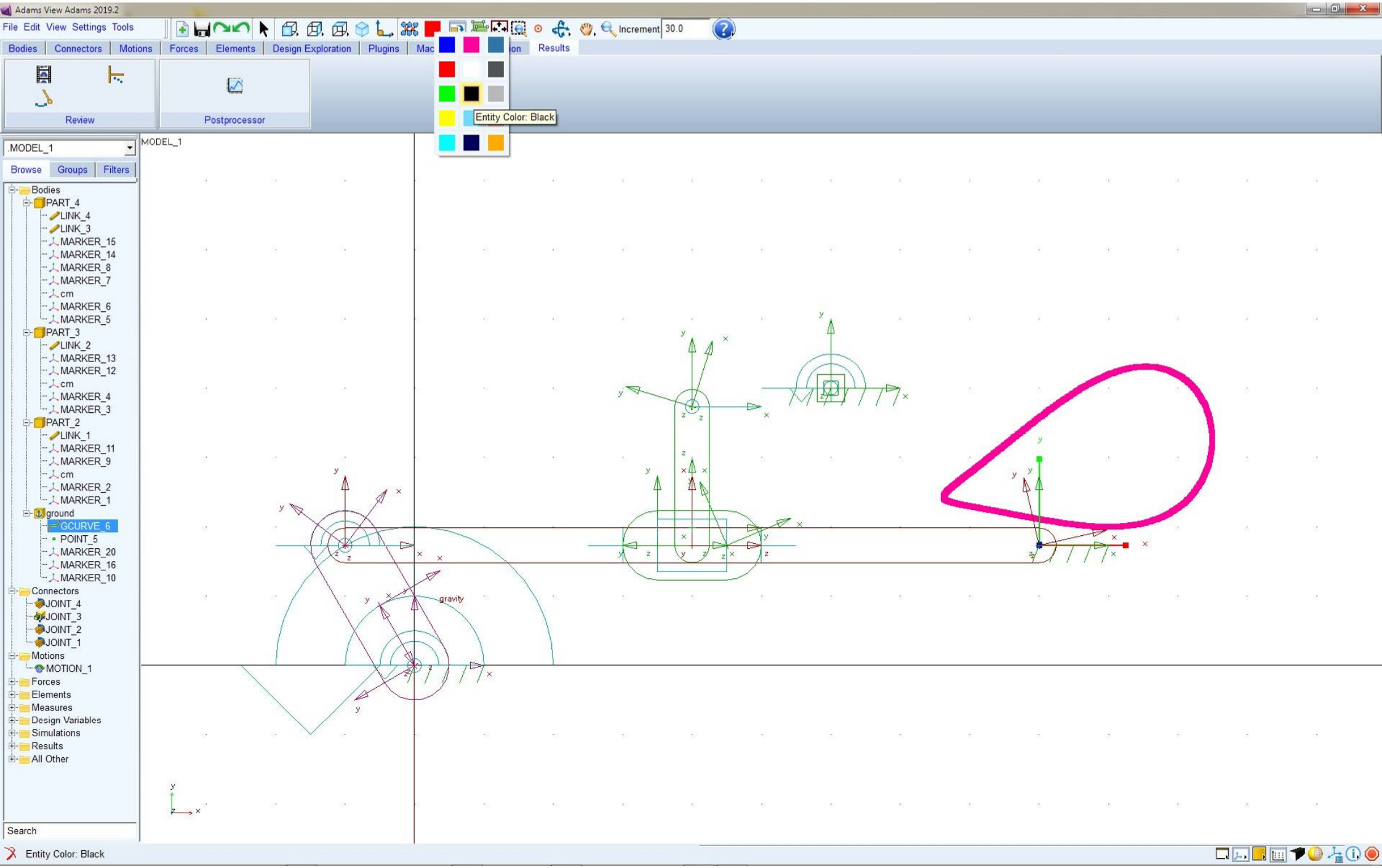

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Setup
Simulate
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_15
MARKER_14
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_13
MARKER_12
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_4
JOINT_3
JOINT_2
JOINT_1
Motions
MOTION_1
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
MODEL_1
Simulation Control
End Time
(2*PI/12)
Steps
500
Sim. Type:
Default
Start at equilibrium
Reset before running
No Debug
Nastran
Update graphics display
Interactive
Scripted
Simulation Settings...
gravity
Select

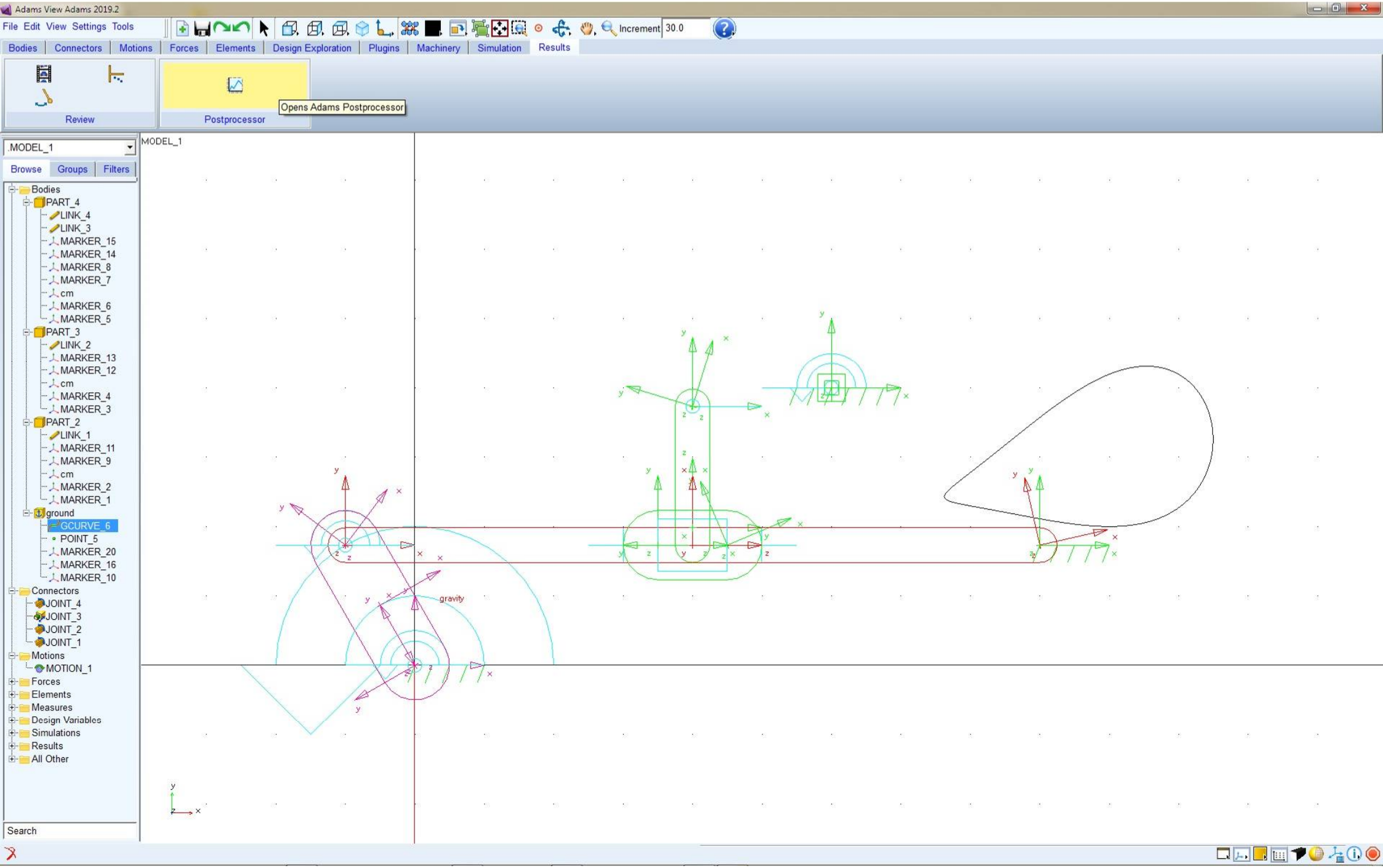

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Trace a point's relative position from last simulation
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_15
MARKER_14
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_13
MARKER_12
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_4
JOINT_3
JOINT_2
JOINT_1
Motions
MOTION_1
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
MODEL_1
gravity

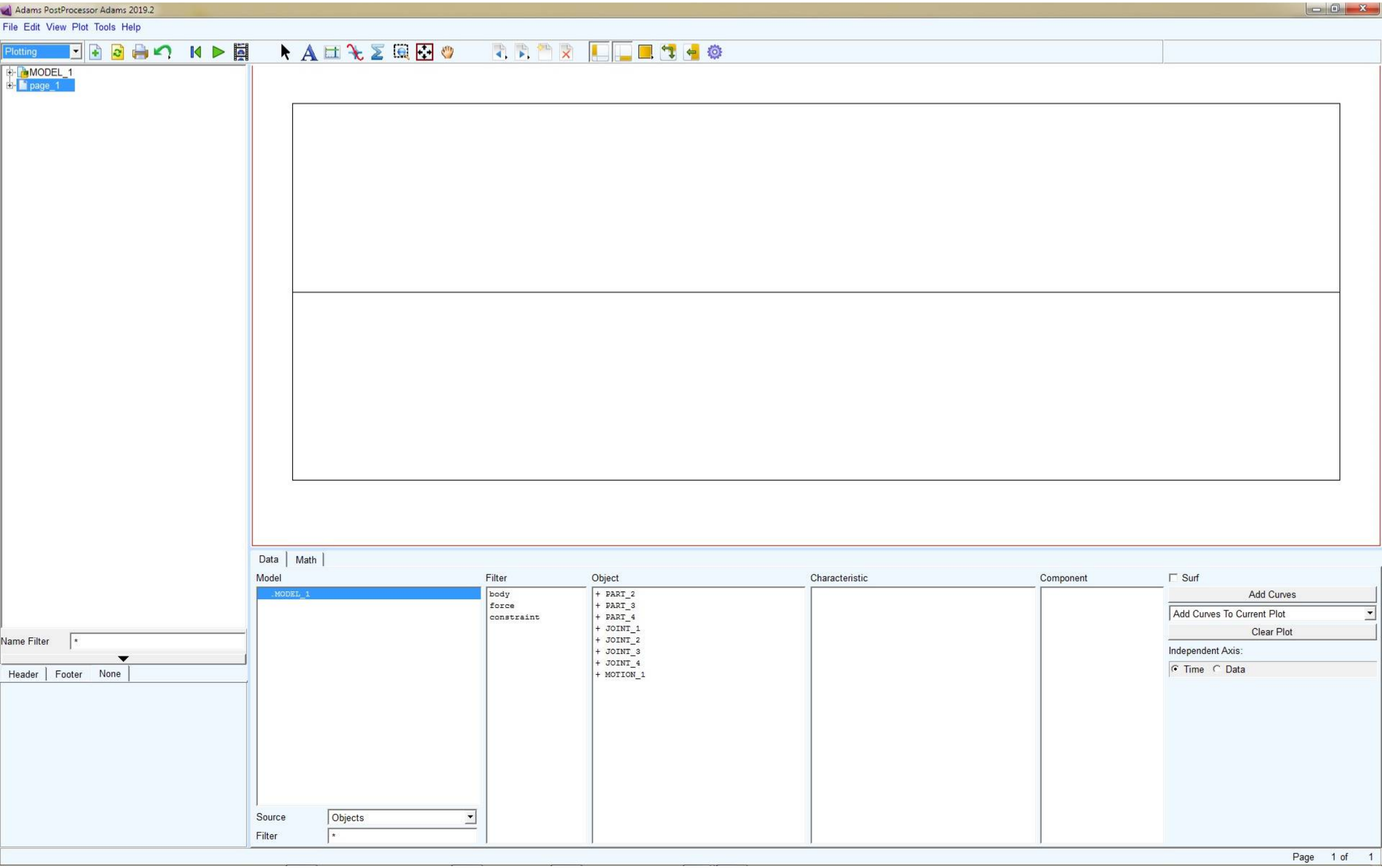

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Review
Postprocessor
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_15
MARKER_14
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_13
MARKER_12
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_4
JOINT_3
JOINT_2
JOINT_1
Motions
MOTION_1
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
MODEL_1
Select
PART_3.MARKER_4
OK
Cancel
gravity

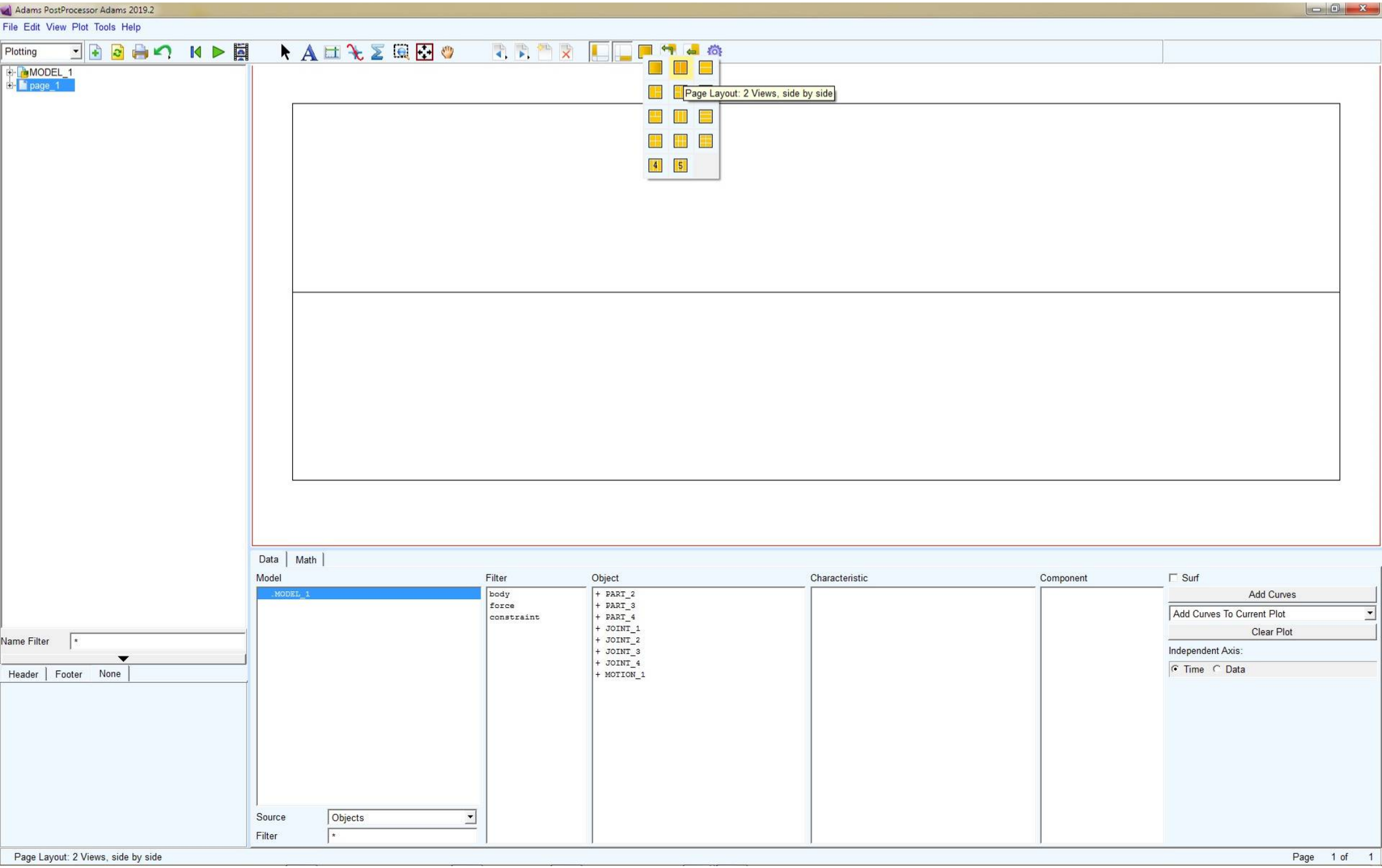

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Review
Postprocessor
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_15
MARKER_14
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_13
MARKER_12
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
Connectors
JOINT_4
JOINT_3
JOINT_2
JOINT_1
Motions
MOTION_1
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
MODEL_1
ground
gravity
Trace: Select the part on which to create the trace

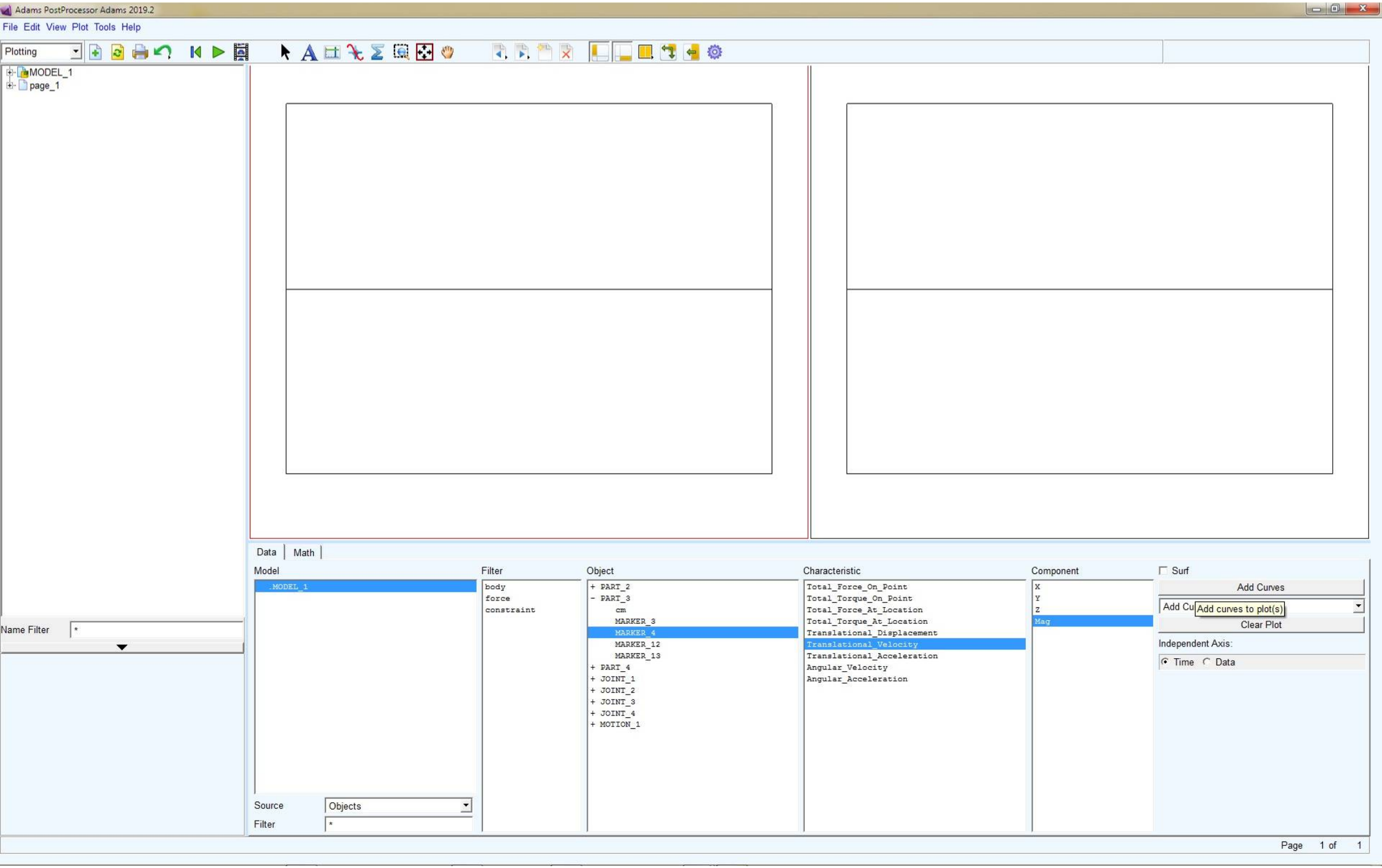

Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Review
Postprocessor
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_15
MARKER_14
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_13
MARKER_12
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
GCURVE_6
POINT_5
MARKER_20
MARKER_16
MARKER_10
Connectors
JOINT_4
JOINT_3
JOINT_2
JOINT_1
Motions
MOTION_1
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
MODEL_1
gravity


Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Results
Review
Postprocessor
Entity Color: Black
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_15
MARKER_14
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_13
MARKER_12
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
GCURVE_6
POINT_5
MARKER_20
MARKER_16
MARKER_10
Connectors
JOINT_4
JOINT_3
JOINT_2
JOINT_1
Motions
MOTION_1
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
MODEL_1
gravity
Entity Color: Black


Adams View Adams 2019.2
File Edit View Settings Tools
Increment 30.0
Bodies Connectors Motions Forces Elements Design Exploration Plugins Machinery Simulation Results
Review
Postprocessor
Opens Adams Postprocessor
.MODEL_1
Browse Groups Filters
Bodies
PART_4
LINK_4
LINK_3
MARKER_15
MARKER_14
MARKER_8
MARKER_7
cm
MARKER_6
MARKER_5
PART_3
LINK_2
MARKER_13
MARKER_12
cm
MARKER_4
MARKER_3
PART_2
LINK_1
MARKER_11
MARKER_9
cm
MARKER_2
MARKER_1
ground
GCURVE_6
POINT_5
MARKER_20
MARKER_16
MARKER_10
Connectors
JOINT_4
JOINT_3
JOINT_2
JOINT_1
Motions
MOTION_1
Forces
Elements
Measures
Design Variables
Simulations
Results
All Other
Search
MODEL_1
gravity


Adams PostProcessor Adams 2019.2
File Edit View Plot Tools Help
Plotting
MODEL_1
page_1
Name Filter
*
Header
Footer
None
Data
Math
Model
.MODEL_1
Filter
body
force
constraint
Object
+ PART_2
+ PART_3
+ PART_4
+ JOINT_1
+ JOINT_2
+ JOINT_3
+ JOINT_4
+ MOTION_1
Characteristic
Component
Surf
Add Curves
Add Curves To Current Plot
Clear Plot
Independent Axis:
Time
Data
Source
Objects
Filter
*
Page 1 of 1


Adams PostProcessor Adams 2019.2
File Edit View Plot Tools Help
Plotting
MODEL_1
page_1
Page Layout: 2 Views, side by side
Name Filter
*
Header
Footer
None
Data
Math
Model
.MODEL_1
Filter
body
force
constraint
Object
+ PART_2
+ PART_3
+ PART_4
+ JOINT_1
+ JOINT_2
+ JOINT_3
+ JOINT_4
+ MOTION_1
Characteristic
Component
Surf
Add Curves
Add Curves To Current Plot
Clear Plot
Independent Axis:
Time
Data
Source
Objects
Filter
*
Page Layout: 2 Views, side by side
Page 1 of 1

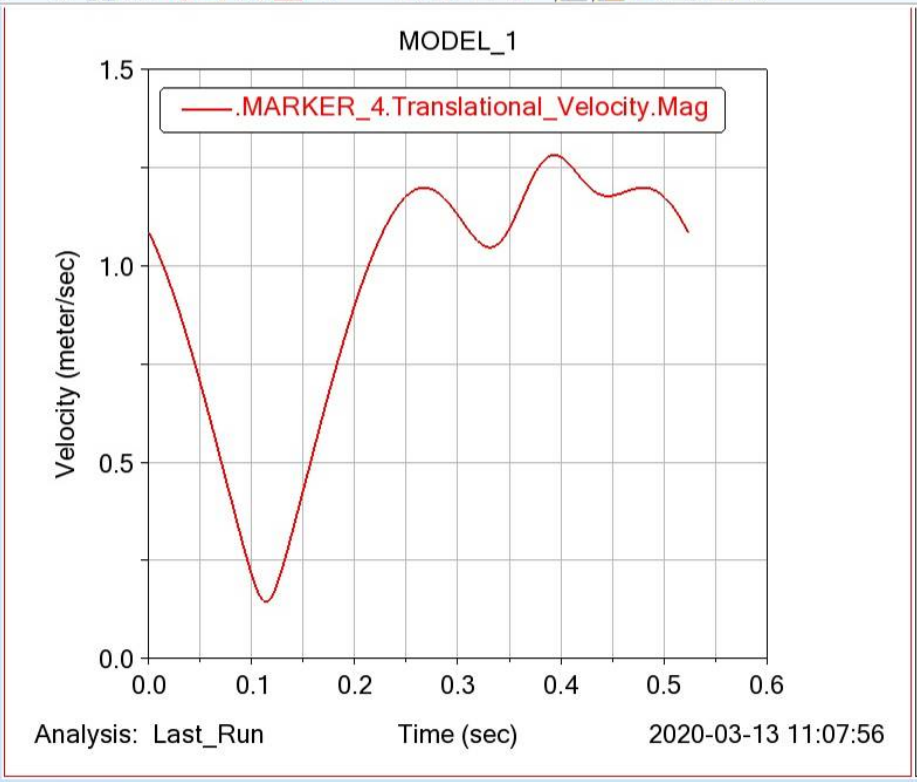

Adams PostProcessor Adams 2019.2
File Edit View Plot Tools Help
Plotting
MODEL_1
page_1
Name Filter
*
Data
Math
Model
.MODEL_1
Filter
body
force
constraint
Object
+ PART_2
- PART_3
cm
MARKER_3
MARKER_4
MARKER_12
MARKER_13
+ PART_4
+ JOINT_1
+ JOINT_2
+ JOINT_3
+ JOINT_4
+ MOTION_1
Characteristic
Total_Force_On_Point
Total_Torque_On_Point
Total_Force_At_Location
Total_Torque_At_Location
Translational_Displacement
Translational_Velocity
Translational_Acceleration
Angular_Velocity
Angular_Acceleration
Component
X
Y
Z
Mag
Surf
Add Curves
Add Cu
Add curves to plot(s)
Clear Plot
Independent Axis:
Time
Data
Source
Objects
Filter
*
Page 1 of 1

Adams PostProcessor Adams 2019.2

File Edit View Plot Tools Help

Plotting

MODEL_1
page_1



Name Filter *

Data | Math

Model: .MODEL_1

Source: Objects

Filter: *

Filter: body, force, constraint

Object:
+ PART_2
- PART_3
  cm
  MARKER_3
  MARKER_4
  MARKER_12
  MARKER_13
+ PART_4
+ JOINT_1
+ JOINT_2
+ JOINT_3
+ JOINT_4
+ MOTION_1

Characteristic: Total_Force_On_Point, Total_Torque_On_Point, Total_Force_At_Location, Total_Torque_At_Location, Translational_Displacement, Translational_Velocity, Translational_Acceleration, Angular_Velocity, Angular_Acceleration

Component: X, Y, Z, Mag

Surf

Add Curves

Add Curves To Current Plot

Add curves to plot(s)

Clear Plot

Independent Axis: Time Data

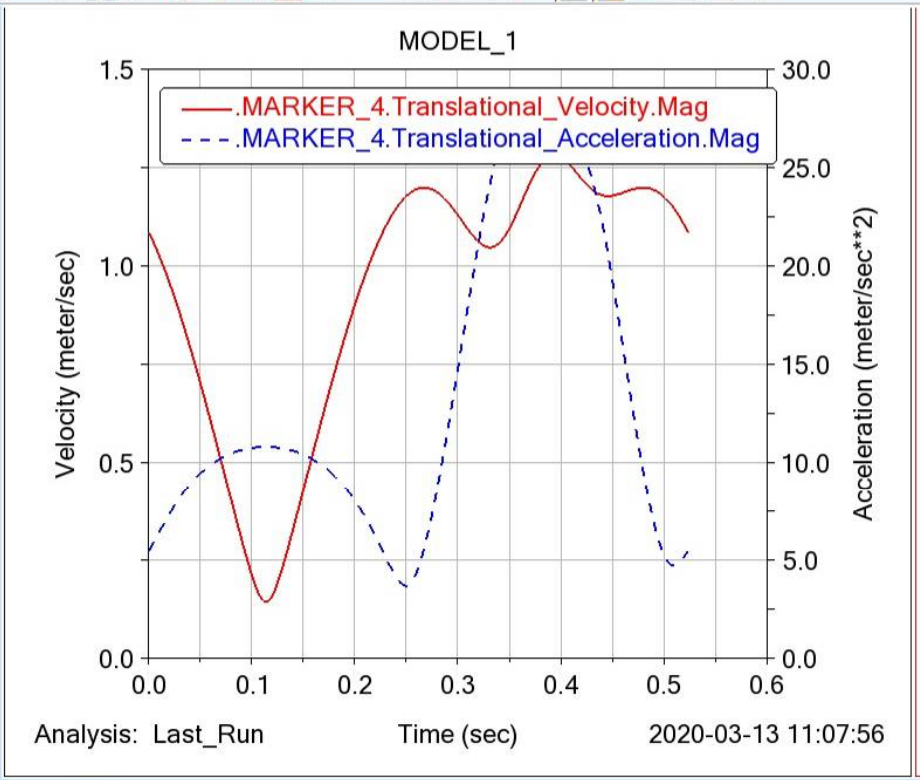
Page 1 of 1

Adams PostProcessor Adams 2019.2

File Edit View Plot Tools Help

Plotting

MODEL_1
page_1



Name Filter *

Data | Math

Model: .MODEL_1

Filter: body, force, constraint

Object: + PART_2, - PART_3, cm, MARKER_3, MARKER_4, MARKER_12, MARKER_13, + PART_4, + JOINT_1, + JOINT_2, + JOINT_3, + JOINT_4, + MOTION_1

Characteristic: Total_Force_On_Point, Total_Torque_On_Point, Total_Force_At_Location, Total_Torque_At_Location, Translational_Displacement, Translational_Velocity, Translational_Acceleration, Angular_Velocity, Angular_Acceleration

Component: X, Y, Z, Mag

Source: Objects

Filter: *

Surf

Add Curves

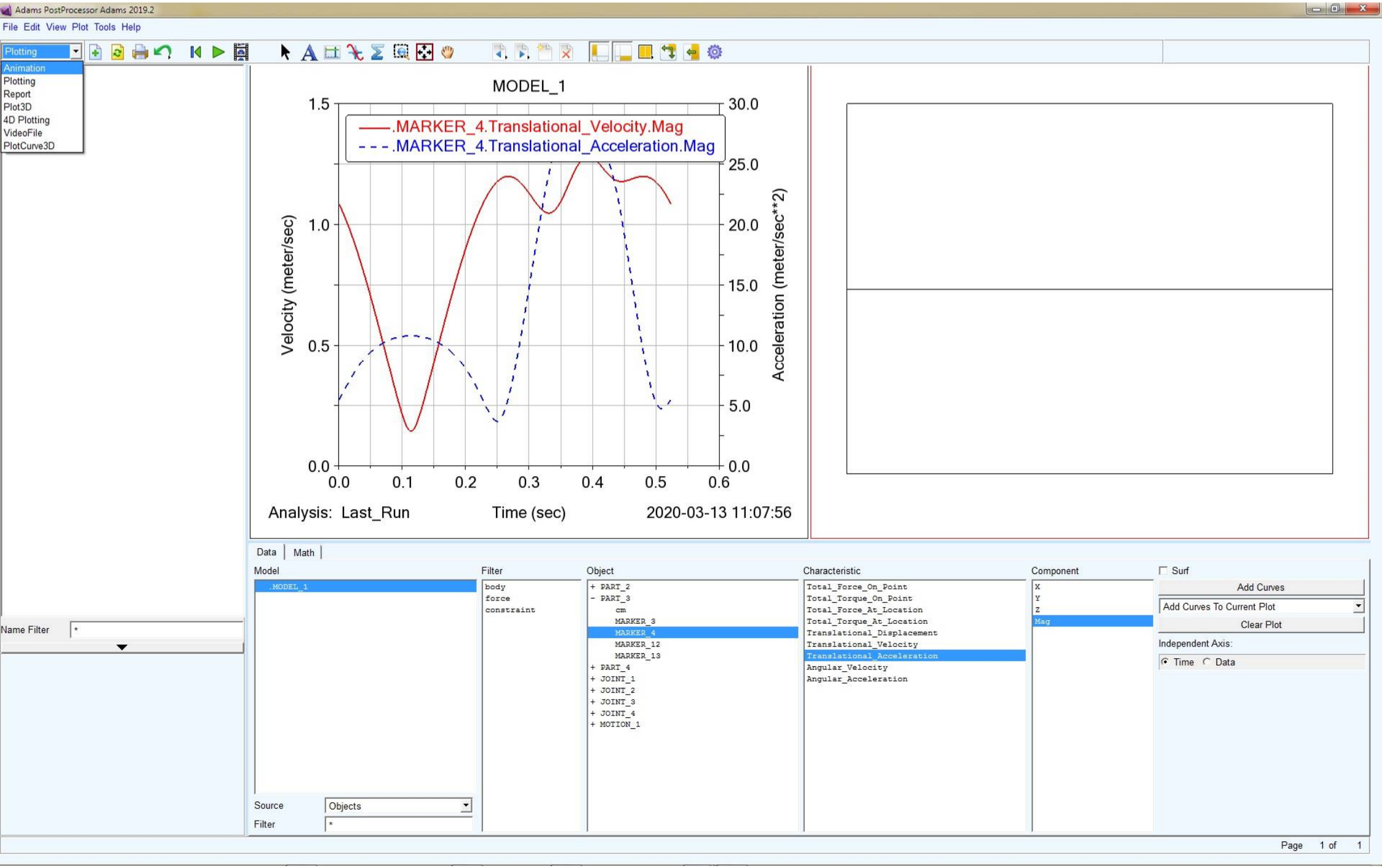
Add Curves To Current Plot

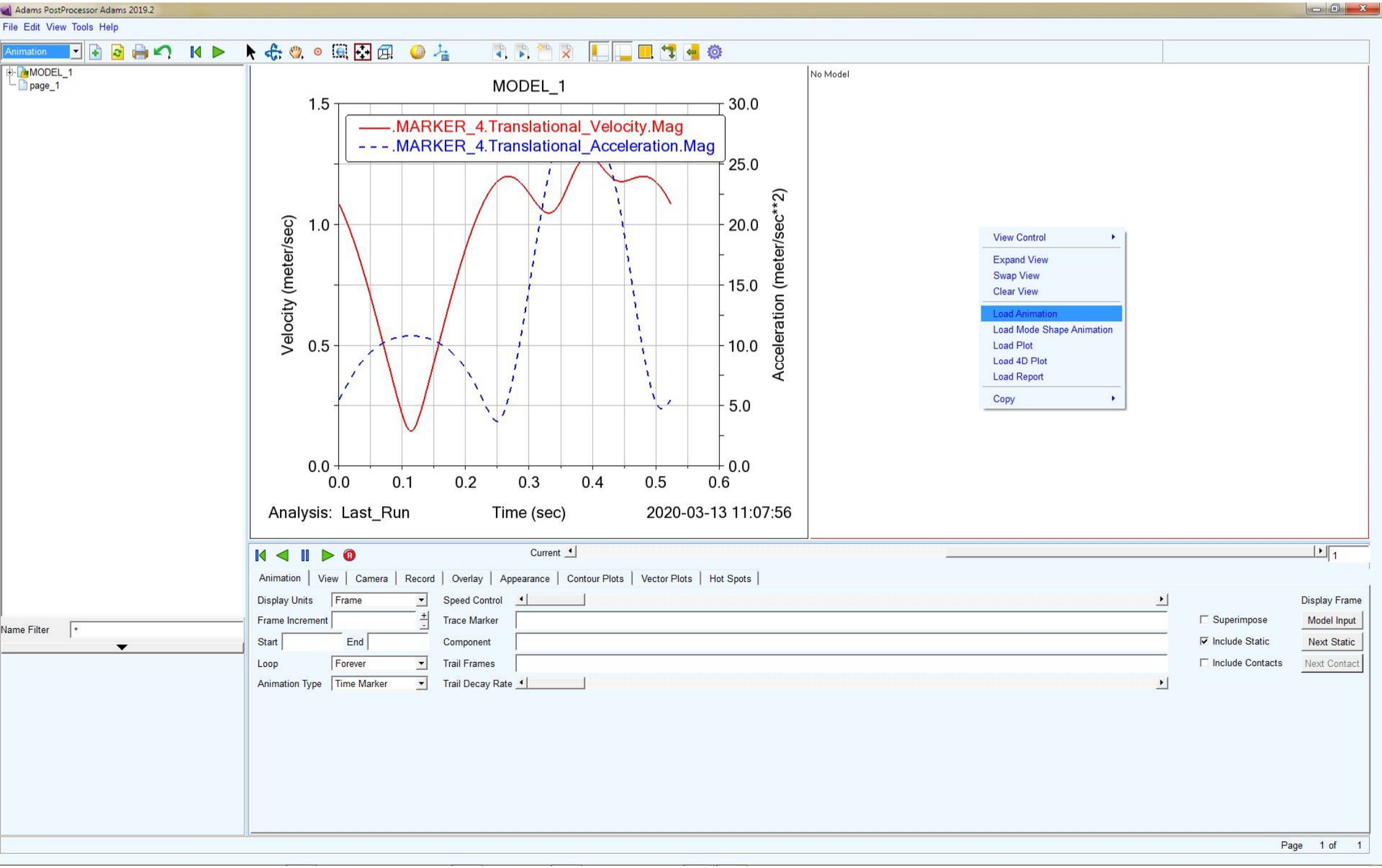
Clear Plot

Independent Axis: Time Data

Select

Page 1 of 1


Adams PostProcessor Adams 2019.2
File Edit View Plot Tools Help
Plotting
Animation
Plotting
Report
Plot3D
4D Plotting
VideoFile
PlotCurve3D
MODEL_1
.MARKER_4.Translational_Velocity.Mag
.MARKER_4.Translational_Acceleration.Mag
Velocity (meter/sec)
Acceleration (meter/sec**2)
Analysis: Last_Run
Time (sec)
2020-03-13 11:07:56
Name Filter
Data
Math
Model
.MODEL_1
Filter
body
force
constraint
Object
+ PART_2
- PART_3
cm
MARKER_3
MARKER_4
MARKER_12
MARKER_13
+ PART_4
+ JOINT_1
+ JOINT_2
+ JOINT_3
+ JOINT_4
+ MOTION_1
Characteristic
Total_Force_On_Point
Total_Torque_On_Point
Total_Force_At_Location
Total_Torque_At_Location
Translational_Displacement
Translational_Velocity
Translational_Acceleration
Angular_Velocity
Angular_Acceleration
Component
X
Y
Z
Mag
Surf
Add Curves
Add Curves To Current Plot
Clear Plot
Independent Axis:
Time
Data
Source
Objects
Filter
Page 1 of 1

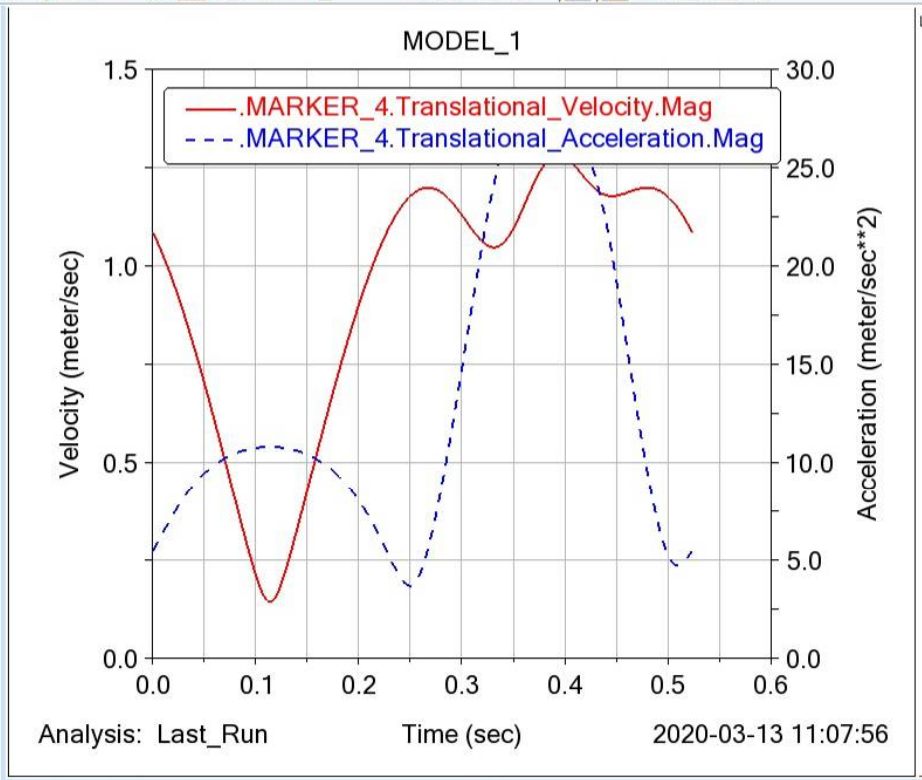

Adams PostProcessor Adams 2019.2
File Edit View Tools Help
Animation
MODEL_1
page_1
MODEL_1
.MARKER_4.Translational_Velocity.Mag
.MARKER_4.Translational_Acceleration.Mag
Velocity (meter/sec)
Acceleration (meter/sec**2)
Analysis: Last_Run
Time (sec)
2020-03-13 11:07:56
No Model
View Control
Expand View
Swap View
Clear View
Load Animation
Load Mode Shape Animation
Load Plot
Load 4D Plot
Load Report
Copy
Current
Animation
View
Camera
Record
Overlay
Appearance
Contour Plots
Vector Plots
Hot Spots
Display Units
Frame
Frame Increment
Start
End
Loop
Forever
Animation Type
Time Marker
Speed Control
Trace Marker
Component
Trail Frames
Trail Decay Rate
Display Frame
Superimpose
Include Static
Include Contacts
Model Input
Next Static
Next Contact
Name Filter
Page 1 of 1

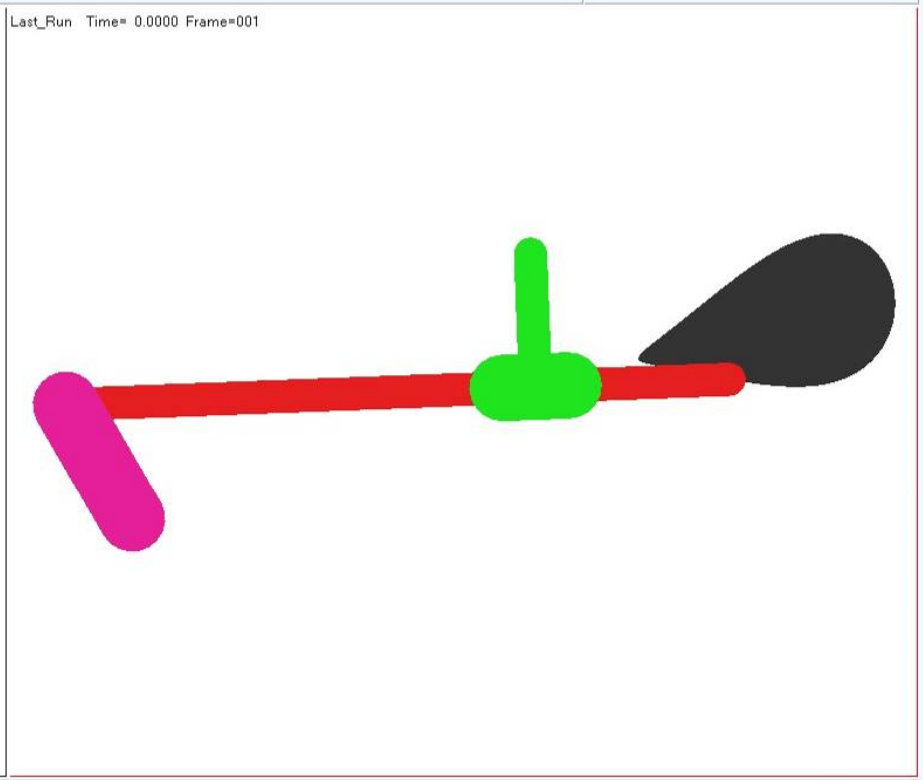
Adams PostProcessor Adams 2019.2

File Edit View Tools Help

Animation

MODEL_1
page_1





Name Filter *

Current 1

Animation | View | Camera | Record | Overlay | Appearance | Contour Plots | Vector Plots | Hot Spots

Display Units Frame
Frame Increment 1
Start 1 End 501
Loop Forever
Animation Type Time Marker

Speed Control
Trace Marker
Component
Trail Frames 0
Trail Decay Rate

Display Frame
Superimpose
Include Static
Include Contacts
Model Input
Next Static
Next Contact

Select

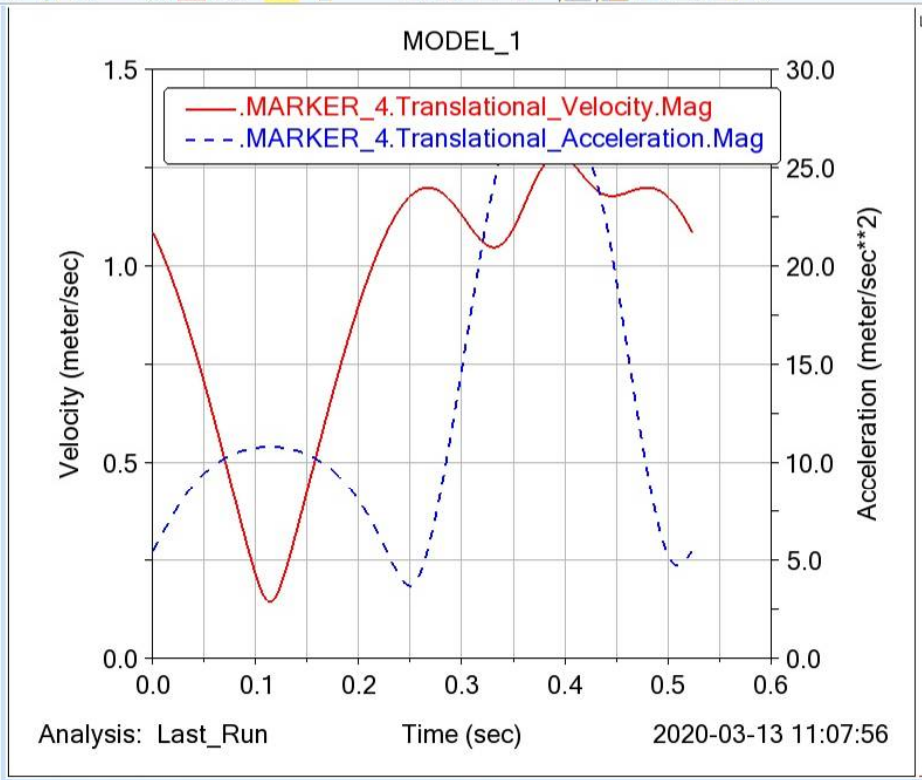
Page 1 of 1

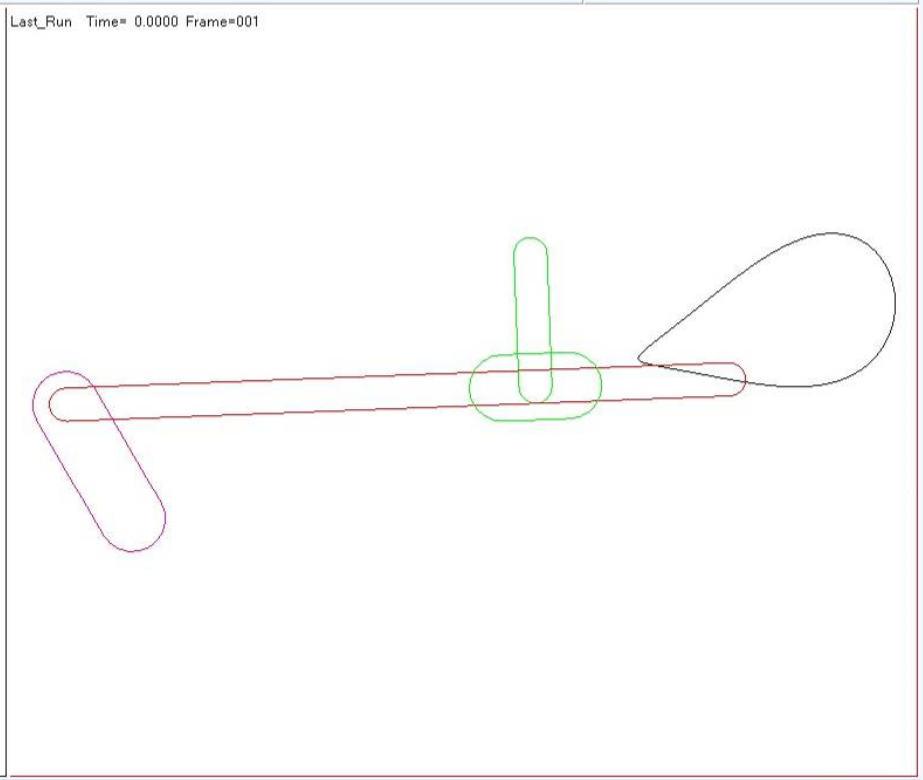
Adams PostProcessor Adams 2019.2

File Edit View Tools Help

Animation

MODEL_1
page_1





Current 1

Animation | View | Camera | Record | Overlay | Appearance | Contour Plots | Vector Plots | Hot Spots

Display Units: Frame
Frame Increment: 1
Start: 1 End: 501
Loop: Forever
Animation Type: Time Marker

Speed Control
Trace Marker
Component
Trail Frames: 0
Trail Decay Rate

Display Frame
Superimpose
Include Static
Include Contacts
Model Input
Next Static
Next Contact

Name Filter: *

Wireframe/shaded toggle for current view

Page 1 of 1