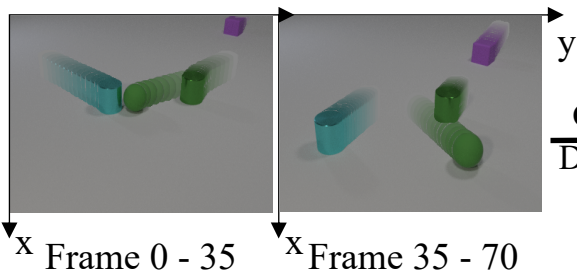
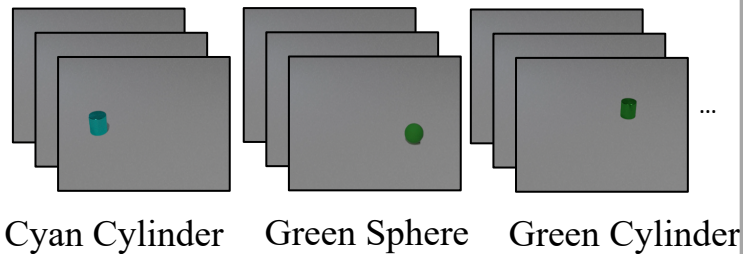


## Input Video Frames



Object  
Detector

## Object Trajectories



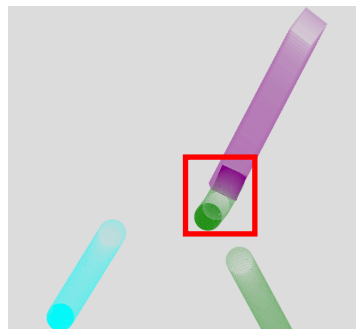
## Visual Perception

## Physical Parameters

	Shape	Color	Mass	Restitution	Location	Velocity	...
Obj1	Cylinder	Cyan	0.94	0.61	(-2.3,-1.7)	(1.9, 1.8)	
Obj2	Sphere	Green	0.76	0.73	(-1.2, 1.1)	(0.0, 0.0)	
Obj3	Cylinder	Green	1.25	0.90	(-2.2, 2.3)	(1.8, -2.0)	
Obj4	Cube	Purple	Unkwn.	Unkwn.	(-6.7, 4.1)	(2.6, -1.3)	
Radius	0.21	Damping Coeff.	0.06	Frictional Coeff.	0.03		

## Physics Model

## Simulation



Predict

## Input Questions

### ➤ Predictive Question:

What will happen next?

### Choice:

The **green** cylinder **collides** with the **cube**.

Parse

## Programs

1. Predictive Simulation
2. Filter(**Green**, Cylinder)
3. Filter(**Cube**)
4. Filter(**Collision**)

## Question Parser

Answer: True