

# Technote Drake-005: How to simulate a bouncing ball in 2D

## Overview

This document describes how to simulate a bouncing ball in 2D.

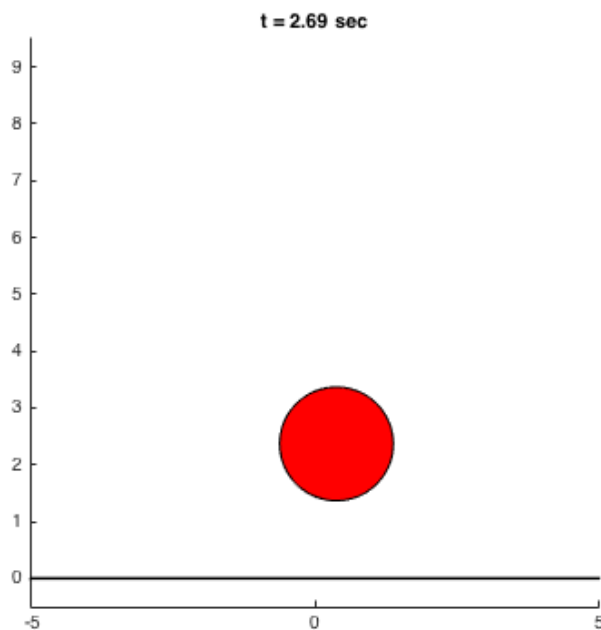
## Procedure

### **Step 01.00: Simulate a bouncing ball in 2D.**

Step 01.01: Simulate a bouncing ball in 2D using Drake and MATLAB R2015a.

To simulate and plot bouncing ball in 2D.

```
>> b = BallPlant2D;  
>> v = BallVisualizer2D(b);  
>> x = b.simulate([0 5],[1;-5;5;2;0]);  
>> v.playback(x);
```



## Related Topics

None.

## Related Links

None.