

## CHAPTER OVERVIEW

### 12: Projectile Motion

An important example of two-dimensional motion under constant acceleration is the motion of a projectile (e.g. a cannonball fired from a cannon) at the surface of the Earth (Fig. 12.1).

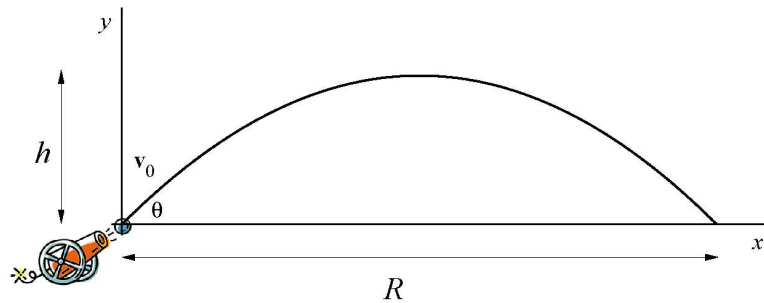


Figure 12.1: Parabolic path of a projectile launched with muzzle velocity  $v_0$  at angle  $\theta$ . Here the  $x$  axis is along the ground,  $R$  is the range, and  $h$  is the maximum altitude.

[12.1: Introduction to Projectile Motion](#)

[12.2: Range](#)

[12.3: Maximum Altitude](#)

[12.4: Shape of the Projectile Path](#)

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