

## **Chapter 08.04**

### **Runge-Kutta 4th Order Method for Ordinary Differential Equations**

#### **OBJECTIVES**

1. develop Runge-Kutta 4<sup>th</sup> order method for solving ordinary differential equations,
2. find the effect size of step size has on the solution,
3. know the formulas for other versions of the Runge-Kutta 4<sup>th</sup> order method