

Part One

Introduction

Part One serves as the introductory section to this book. It reviews engineering and science fundamentals that are an integral part of the field of heat transfer. It consists of six chapters, as noted below:

1. History of Heat Transfer
2. History of Chemical Engineering: Transport Phenomena vs Unit Operations
3. Process Variables
4. Conservation Laws
5. Gas Laws
6. Heat Exchanger Pipes and Tubes

Those individuals with a strong background in the above area(s) may choose to bypass all or some of this Part.