

Table of contents

- **1 Introduction**
- **2 Pressure Distribution in a Fluid**
- **3 Integral Relations for a Control Volume**
- **4 Differential Relations for a Fluid Flow**
- **5 Dimensional Analysis and Similarity**
- **6 Viscous Flow in Ducts**
- **7 Flow Past Immersed Bodies**
- **8 Potential Flow and Computational Fluid Dynamics**
- **9 Compressible Flow**
- **10 Open-Channel Flow**
- **11 Turbomachinery**
- **Appendix A Physical Properties of Fluids**
- **Appendix B Compressible Flow Tables**
- **Appendix C Conversion Factors**
- **Appendix D Equations of Motion in Cylindrical Coordinates**
- **Appendix E Introduction to EES**