
CONTENTS

Preface / vii

Acknowledgments / xi

- 1 Basic Principles / 1**
- 2 Activity Coefficients and pH / 41**
- 3 Strong Acids and Bases / 65**
- 4 Monoprotic Acids and Bases / 94**
- 5 Polyprotic Acids and Bases / 157**
- 6 Solubility / 202**
- 7 Complex Formation / 238**
- 8 Organic Complexes / 289**
- 9 Oxidation–Reduction Equilibria / 318**
- 10 Carbon Dioxide / 365**
- 11 pH in Brines / 461**
- 12 Automated Computation Methods (by David R. Cogley) / 485**

Index / 543