

# Contents

Contributors .....	v
General Preface .....	vii
Preface to Volume 14 .....	ix

## 1 Universal Critical-Point Amplitude Relations

V. PRIVMAN, P. C. HOHENBERG and A. AHARONY

1 Introduction .....	4
2 Definitions and notation for bulk critical amplitudes .....	14
3 Scaling theory .....	21
4 The renormalization group .....	32
5 Methods of calculating bulk critical-point amplitudes .....	41
6 Numerical results for selected models .....	46
7 Experimental results: statics .....	76
8 Experimental results: dynamics .....	89
9 Statistics of polymer conformations .....	92
10 Finite-size systems .....	99
11 Concluding remarks .....	121
Acknowledgements .....	121
References (with author index) .....	121

## 2 The Behaviour of Interfaces in Ordered and Disordered Systems

G. FORGACS, R. LIPOWSKY and TH. M. NIEUWENHUIZEN

1 Introduction .....	136
2 Interfacial phenomena .....	138
3 Scaling properties of interfaces .....	150
4 Solid-on-solid models of interfaces in pure systems .....	220
5 Behaviour of a single interface in the presence of bulk disorder .....	256
6 Wetting in the presence of bulk disorder .....	298

7 Wetting in the presence of surface disorder .....	326
Acknowledgements .....	346
Appendix. Functional renormalization of interface potentials .....	346
References (with author index) .....	354
Note to Chapter 1, added in proof .....	364
Subject index .....	369