

---

# Contents

List of Tables and Figures    *ix*

Preface    *xi*

1 Introduction    *1*

## **I Coding    23**

2 Binary Coding    *27*

3 Multi-valued Coding    *74*

4 Multivariate Coding    *118*

## **II Redundancy    163**

5 Intrinsic Redundancy    *167*

6 Redundancy Reduction    *176*

7 Designed Redundancy    *195*

Appendix A: List of Equations    *217*

Appendix B: How to Find Base-2 Logarithms  
on a Pocket Calculator    *218*

Appendix C: Binary Pervasiveness    *219*

Notes    *223*

References    *227*

Index    *245*

