

# Contents

About the authors	<i>page</i>	viii
Preface		xi
1 The dark Universe		1
ANDREW TAYLOR		
2 Quantum spacetime and physical reality		56
SHAHN MAJID		
3 Causality, quantum theory and cosmology		141
ROGER PENROSE		
4 On the fine structure of spacetime		196
ALAIN CONNES		
5 Where physics meets metaphysics		238
MICHAEL HELLER		
6 The nature of time		278
JOHN POLKINGHORNE		
Index		284