1. Record Nr. UNISA996418273403316

Autore	Campanella Matteo
Titolo	Interpretative Aspects of Quantum Mechanics [[electronic resource]] : Matteo Campanella's Mathematical Studies / / by Matteo Campanella, David Jou, Maria Stella Mongiovì
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-44207-1
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (153 pages) : illustrations
Collana	UNIPA Springer Series, , 2366-7516
Disciplina	530.12
Soggetti	Mathematical physics Quantum physics Mathematical Applications in the Physical Sciences Quantum Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	1 Fundamental assumptions -- 2 The state of a quantum system as a subsystem of a composite system -- 3 Relation between the state of a system as isolated and as open -- 4 Universality of the probability function -- 5 Appendix A -- 6 Appendix B -- 7 Appendix C -- 8 Appendix D.
Sommario/riassunto	This book presents a selection of Prof. Matteo Campanella’s writings on the interpretative aspects of quantum mechanics and on a possible derivation of Born's rule – one of the key principles of the probabilistic interpretation of quantum mechanics – that is independent of any priori probabilistic interpretation. This topic is of fundamental interest, and as such is currently an active area of research. Starting from a natural method of defining such a state, Campanella found that it can be characterized through a partial density operator, which occurs as a consequence of the formalism and of a number of reasonable assumptions connected with the notion of a state. The book demonstrates that the density operator arises as an orbit invariant that has to be interpreted as probabilistic, and that its quantitative implementation is equivalent to Born's rule. The appendices present various mathematical details, which would have interrupted the

continuity of the discussion if they had been included in the main text. For instance, they discuss baricentric coordinates, mapping between Hilbert spaces, tensor products between linear spaces, orbits of vectors of a linear space under the action of its structure group, and the class of Hilbert space as a category.

2. Record Nr. UNINA9910975030103321

Autore	Ostrowski Sean D. C
Titolo	Estimating and cost planning using the new rules of measurement / / Sean D.C. Ostrowski
Pubbl/distr/stampa	Chichester, West Sussex, U.K., : Wiley-Blackwell, c2013
ISBN	9781118333044 1118333047
Edizione	[1st ed.]
Descrizione fisica	1 online resource (xvii, 194 p.) : ill. (some col.), photographs
Disciplina	692/.5
Soggetti	Building - Estimates
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover -- Title page -- Copyright page -- Contents -- Foreword -- Preface -- Acknowledgements -- List of Tables and Diagrams -- Glossary of Terms -- 1: Introduction -- 1.1 Introduction -- Contents -- RICS competence levels -- Practical examples and self-assessment exercises -- Companion websites -- 1.2 Standard Methods of Measurement -- Elemental measurement -- Trade measurement -- Compatibility -- 1.3 Pricing -- Accurate prices -- 2: A Practical Introduction to Measurement -- 2.1 A Practical Introduction to Measurement -- Measurement protocols -- Scales -- Accuracy -- Symbols -- Query sheet/to-take lists/marked-up drawings -- Revisions -- Information -- 2.2 Measurement Procedure -- Technical competence -- Procedure -- Compound items -- 3: Code of Measuring Practice -- 3.1 Introduction -- 3.2 The Purpose of the Code -- Accurate and consistent -- Intent -- Definitions -- Specifications -- 3.3 Measurement -- Accuracy in floor plans -- Scales for floor plans -- Estimates and cost plans -- Post-contract -- Transparency -- 3.4 Good

Practice -- Areas included and excluded -- Specialists -- Alternative uses -- Area schedules for estimates and cost plans -- 3.5 Practical Application: Gifa London Road -- 4: How to Use the New Rules of Measurement 1 -- 4.1 Introduction -- The purpose of NRM 1 -- Practice and procedure -- 4.2 Framework -- Work stages -- Constituents -- 4.3 Estimates -- Elements -- Methods of measurement for estimates -- 4.4 Cost Plans -- CP1, CP2, CP3 -- Elements and levels -- Method of measurement for cost plans -- 4.5 Information -- Information required for the estimate (NRM, p. 20, section 2.3) -- 4.6 Practical Application: Included and excluded -- 5: NRM 1 Estimates -- 5.1 Practice and procedure -- Introduction -- Stages -- Constituents -- Value Added Tax -- 5.2 Method of measurement -- Substructure -- Compound items -- Frame.
Upper floors -- Space heating and air conditioning -- 5.3 Practical application: Estimate London Road Basement -- 6: NRM 1 Cost Plans -- 6.1 Practice and Procedure -- Introduction -- Stages -- 6.2 Elements -- 6.3 Method of Measurement for Cost Plans -- Substructure, frame, upper floors, floor finishes and air conditioning -- 6.4 Cost Plans -- CP1 -- CP2 -- CP3 -- 6.5 Practical Application: Cost Plan London Road Basement -- 7: Information -- 7.1 Introduction -- 7.2 Information Requirements for Estimates -- Information required from the employer -- Information required from the architect -- Information required from the services engineer -- Information required from the structural engineer -- 7.3 Information Required for the Cost Plans -- Information required from the employer -- Information required from the architect -- Information required from the services engineer -- Information required from the structural engineer -- 7.4 Progressive Provision of Information -- Progressive employer's information requirements -- Progressive architect's information requirements -- Progressive services information requirements -- Progressive structural information requirements -- 8: Preliminaries, Risk, Overheads and Profit -- 8.1 Introduction -- 8.2 Preliminaries -- 8.3 Risk -- 8.4 Overheads and Profit -- 8.5 Practical Example: Site based preliminaries -- 9: Unit Rates -- 9.1 Introduction -- 9.2 Labour Rates -- RICS prime cost of daywork -- 9.3 Labour Constants -- 9.4 Materials -- 9.5 Plant -- 9.6 PRACTICAL APPLICATION: For concrete, brickwork, partitioning, roofing, windows -- Concrete -- Brickwork -- Hardwood windows -- Roofs -- 10: Cost Analyses -- 10.1 Introduction -- 10.2 Types of Indices -- 10.3 Requirements of Indices -- 10.4 Problems with Indices -- 10.5 Using Indices to Adjust Estimates -- Location -- Inflation -- Market Conditions -- Types of Contract.
The collective use of indices -- 10.6 PRACTICAL APPLICATION: Cost adjustment for customer service centre -- Appendix 1: London Road drawing: No. SDCO/1/01 Site Layout, Size A1 -- London Road Drawing: No. SDCO/1/01 Site Layout, Size A1 -- Appendix 2: London Road drawing: No. SDCO/1/02 Plan, Elevation and Section. Size A1 -- London Road Drawing: No. SDcO/1/02 Plan, Elevation and Section. Size A1 -- References -- Index.

Sommario/riassunto

The RICS New Rules of Measurement mean that the construction industry now has a way of allowing a more consistent approach to the measurement and estimating of buildings from the start of a project, right through until the end, and beyond. Estimating and cost planning using the New Rules of Measurement offers comprehensive guidance on all the technical competencies concerned with estimating throughout the precontract stages. It provides a full commentary to the NRM, with detailed and comprehensive examples of how to measure estimates and cost plans in accordance with this new prescriptive approach. For both students and practitioners, the acquisition of

technical competencies is by practice so this book offers step-by-step worked examples to follow as well as an exercise on each topic. Key Features helps dispel anxieties about using a new method in an important area of fee generation based on the author's successful Roadshows, organised by the RICS to promote the NRM companion websites provide support for learning: http://ostrowskiquantities.com and www.wiley.com/go/ostrowski/estimating.