

1. Record Nr.	UNINA9910788796103321
Titolo	Advances in quantum computation : representation theory, quantum field theory, category theory, mathematical physics, and quantum information theory, September 20-23, 2007, University of Texas at Tyler // Kazem Mahdavi, Deborah Koslover, editors
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , [2009] ©2009
ISBN	0-8218-8161-2 0-8218-4627-2
Descrizione fisica	1 online resource (251 p.)
Collana	Contemporary mathematics, ; 482 , 0271-4132
Disciplina	004.1
Soggetti	Quantum computers Quantum theory Quantum communication
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Mathematical formulations of atom trap quantum gates / Zhigang Zhang and Goong Chen -- ( <a href="http://www.ams.org/conm/482/">http://www.ams.org/conm/482/</a> ) ( <a href="http://dx.doi.org/10.1090/conm/482/09412">http://dx.doi.org/10.1090/conm/482/09412</a> ) Charge renormalization, Apery's number, and the trefoil knot / Howard E. Brandt -- ( <a href="http://www.ams.org/conm/482/">http://www.ams.org/conm/482/</a> ) ( <a href="http://dx.doi.org/10.1090/conm/482/09413">http://dx.doi.org/10.1090/conm/482/09413</a> ) Braid group, Temperley-Lieb algebra, and quantum information and computation / Yong Zhang -- ( <a href="http://www.ams.org/conm/482/">http://www.ams.org/conm/482/</a> ) ( <a href="http://dx.doi.org/10.1090/conm/482/09414">http://dx.doi.org/10.1090/conm/482/09414</a> ) Poisson algebras and Yang-Baxter equations / Travis Schedler -- ( <a href="http://www.ams.org/conm/482/">http://www.ams.org/conm/482/</a> ) ( <a href="http://dx.doi.org/10.1090/conm/482/09415">http://dx.doi.org/10.1090/conm/482/09415</a> ) Ambiguity in quantum-theoretical descriptions of experiments / John M. Myers and F. Hadi Madjid -- ( <a href="http://www.ams.org/conm/482/">http://www.ams.org/conm/482/</a> ) ( <a href="http://dx.doi.org/10.1090/conm/482/09416">http://dx.doi.org/10.1090/conm/482/09416</a> ) Reference frame fields based on quantum theory representations of real and complex numbers / Paul Benioff -- ( <a href="http://www.ams.org/conm/482/">http://www.ams.org/conm/482/</a> ) ( <a href="http://dx.doi.org/10.1090/conm/482/09417">http://dx.doi.org/10.1090/conm/482/09417</a> ) Two paradigms for topological quantum

computation / Eric C. Rowell -- (<http://www.ams.org/conm/482/>)  
(<http://dx.doi.org/10.1090/conm/482/09418>) Contraction of  
matchgate tensor networks on non-planar graphs / Sergey Bravyi --  
(<http://www.ams.org/conm/482/>) (<http://dx.doi.org/10.1090/conm/482/09419>) Probing topological order in quantum Hall  
states using entanglement calculations / Masudul Haque -- (<http://www.ams.org/conm/482/>) (<http://dx.doi.org/10.1090/conm/482/09420>) Topological order and entanglement /  
Alioscia Hamma -- (<http://www.ams.org/conm/482/>) (<http://dx.doi.org/10.1090/conm/482/09421>) Hierarchical quantum search /  
Vladimir E. Korepin and Ying Xu -- (<http://www.ams.org/conm/482/>)  
(<http://dx.doi.org/10.1090/conm/482/09422>)

---