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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>)

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