

State of the Quantum Internet

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Abstract—This article discusses the progress of the “Quantum Internet” in the context of the fundamental knowledge required to understand quantum computing. The growing feasibility of the Quantum Internet represents the formation of a new frontier of computer networking research. This review hopes to imbue the reader with an appreciation for this new frontier in computer networking after providing the reader with enough foundational knowledge so they can appreciate the progress detailed in this article.

Index Terms—Quantum, Quantum Computer, Quantum Internet, Quantum Networking, Computer Networking, Internet



1 INTRODUCTION