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algorithmic theory of decoding that tackles the  
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redundant information in the form of an ECC. Error correction code - Wikipedia Quantum error correction is a set of methods to protect quantum information—that is, quantum states—from unwanted environmental interactions (decoherence) and other forms of noise. The information is stored in a quantum error-correcting code, which is a subspace in a larger Hilbert space. Quantum Error Correction - Oxford Research Encyclopedia of ... The Theory of Error-Correcting Codes by MacWilliams, F.J. and a great selection of related books, art and collectibles available now at AbeBooks.co.uk. Theory of Error Correcting Codes by Macwilliams - AbeBooks A complete introduction to the many mathematical tools used to solve practical

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possibility of error correction in quantum systems has been considered recently because of its importance in the theory of quantum computation and quantum cryptography. Error Correcting Codes in Quantum Theory Indels represent more than 50% of observed DNA errors (Fig. 1A). However, most DNA encoding schemes use ECCs that can only correct substitutions, a standard task in coding theory (9) (10)(11)(12 ... The Theory of Error Correcting Codes | Request PDF Initially the theory of error-correcting codes satisfied the requirements of communications engineers in that the mathematical constructions guaranteed reliable transmission of information under certain restrictions on the number and form of the errors in the

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