



INTISARI

Quantum Error Correction Melalui Code atas $GF(4)$

Oleh

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Permasalahan mengkonstruksi *quantum error correcting code* dibawa ke permasalahan mencari kode aditif atas $GF(4)$ yang *self orthogonal* terhadap suatu hasil kali dalam *trace*.



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QUANTUM ERROR CORRECTION MELALUI CODE ATAS GF(4)

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ABSTRACT

Quantum Error Correction Via Codes Over $GF(4)$

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The problem of finding quantum-error-correcting codes is transformed into the problem of finding additive codes over the field $GF(4)$ which are self-orthogonal with respect to a certain trace inner product.