Finite Dimensional Analysis of Classical Capacity of Quantum Optical Channel

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***Abstract*—We consider a quantum optical channel is a squeezed state mode and provide bounds on the maximal achievable classical rate of information transfer in the finite dimensional regime. This is just a dummy file now but I intend to fill in the blanks soon.**

***Index Terms*—Classical Capacity, Quantum entanglement, Optical channel**

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References

[1] B. R. Bardhan, R. Garcia-Patron, M. M. Wilde, and A. Winter, "Strong converse for the classical capacity of optical quantum communication channels," *IEEE Transactions on Information Theory*, vol. 61, no. 4, pp. 1842–1850, 2015.