

## **Cosine directions using Rao-Blackwell Theorem and Hausdorff metric in Quasars**

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This analysis will determine the equations of the Cosine Directions for all flux of the Optical Spectrum in quasars. Studies on Hausdorff metric will greatly enhance our understanding of quasars distances. The essential work of D. Mortlock and J. Bovy in the probabilities of quasars will set the methods/process of probability theory in the research along with Fokker-Planck probability theory. This study will complete steps in the classification of quasars by finding the minimum variance of flux by using the Rao-Blackwell Theorem. The papers of C. R. Rao and D. Blackwell will be examined to clarify more of the above theorem.

Keywords: Theory of Flux, Probability Theory of Mortlock and Bovy, Fokker-Planck Probability