

SIF3004 Final Year Project Proposal

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1 Introduction

2 Objective

The main Objective is to study about the overdensities of region 45arcmin² around a high redshift radio galaxy sources (known as HzRGs) object, an example will be 3C266. overdensities means there are a lot of "objects" or galaxies around 3C266, and density is higher compared with other region in space. so i shall find the relation between the central object and the galaxies nearby. and some statistical study like surface number density.

3 Introduction

research has shown that in redshift of $z = 2-3$, there is a very high rate of star forming galaxies rate, the redshift zone is known as "cosmic noon". the reason is unknown. Why? (need to do some literature review). and the galaxies that show high SFR is called "dusty star forming galaxies (DSFGs)", dusty as due to the high concentration of gas contained in that galaxy. and due to dusty, it's not suitable to use radio and optical instrument to observe. however submm (microwave) is a good wavelength to observe

4 Research Methodology

5 Data Analysis and Expected Results

6 Significance

7 Conclusion

References