

SPECTROPHOTOMETRICAL MODELS FOR AGN

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Abstract. We compare the observational colour diagrams with the position of the lensed quasars, mean cluster memberships for $z < 1$ and galactic evolutive tracks in order to determine the influence of these effects in AGN evolution.

1. OBSERVATIONAL DATA

We have used the following catalogs: Catalog of Quasars and Active Nuclei (Veron Cetty, Veron 1991); Catalog of lensed quasars (Suran, Popescu 1992); Mean evolutive colours for galaxies in high redshift clusters (Suran, Popescu 1987); Atlas of synthetic spectra of galaxies (Rocca-Volmerange, Guideroni 1988).

2. RESULTS AND CONCLUSIONS

The comparison between the different data in the two colour diagrams (U-B, B-V) and in the cosmological diagrams (U-B, z), (B-V, z) reveals three distinct regions: AGN with $z < 0.8 - 1.2$; quasars with $0.8 - 1.2 < z < 2.5 - 3$; quasars with $z > 2.5 - 3$. Also, different effects as lensing, cluster and cosmological effects have been discussed.

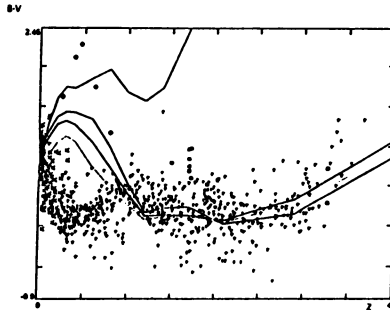


Fig. 1. The cosmological diagram (B-V, z). (+): quasars, (x): Seyfert gal., (squares): lensed quasars, (diamonds): clusters, lines: different tracks of galactic evolution from burst to Im (Rocca-Volmerange and Guideroni 1988).

References

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