S-PLUS: Emission line objects in the southern photometric local Universe survey

L. A. Gutiérrez-Soto, 1* Second Author, 2 Third Author^{2,3} and Fourth Author³

¹Departamento de Astronomia, IAG, Universidade de Sõa Paulo, Rua do Mataõ, 1226, 05509-900, Sõa Paulo, Brazil

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ABSTRACT

The emission line objects are very important objects in astronomy because

Key words: keyword1 – keyword2 – keyword3

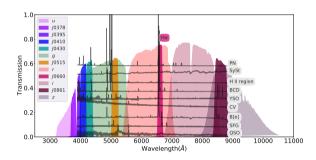


Figure 1. Transmission curves...

1 INTRODUCTION

Large-scale $H\alpha$ imaging surveys have traditionally focused on extended emission-line sources,

2 OBSERVATIONS

The S-PLUS survey is a multi-band photometric survey...

3 METHODOLOGY

Witham et el. (2008) present a catalogue of point-sources H emission objects identified in IPHAS.

Appliying the selection criteria to selecting $H\alpha$ emitters. We used the same procedure in Wevers et al. (2017). The objects with $H\alpha$ excess meet the condition:

$$(r-J0660)_{obs} - (r-J0660)_{fit} \ge C \times \sqrt{\sigma_s^2 - \sigma_{phot}^2}$$

where σ_s is the root mean squared value of the residuals around the fit and σ_{phot} is the error on the observed (r-J0660) colour

Firts see an approximation of the 4σ cut away from the ariginal fit.

3.1 Maths

3.2 Figures and tables

4 RESULTS

5 CONCLUSIONS

We have found a important sample of emission line objects.

ACKNOWLEDGEMENTS

DATA AVAILABILITY

REFERENCES

APPENDIX A: SOME EXTRA MATERIAL

This paper has been typeset from a TEX/LATEX file prepared by the author.

²Department, Institution, Street Address, City Postal Code, Country

³Another Department, Different Institution, Street Address, City Postal Code, Country

^{*} E-mail: gsoto.angel@gmail.com

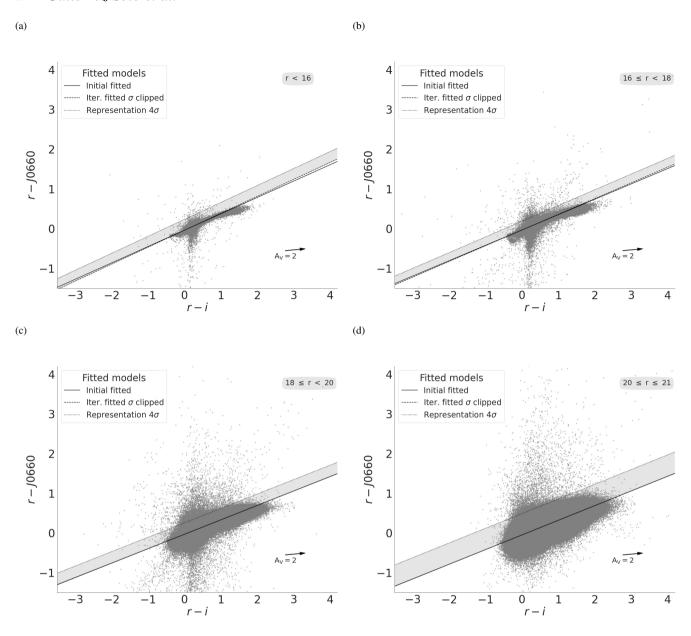


Figure 2. Color-color diagrams with all objects...

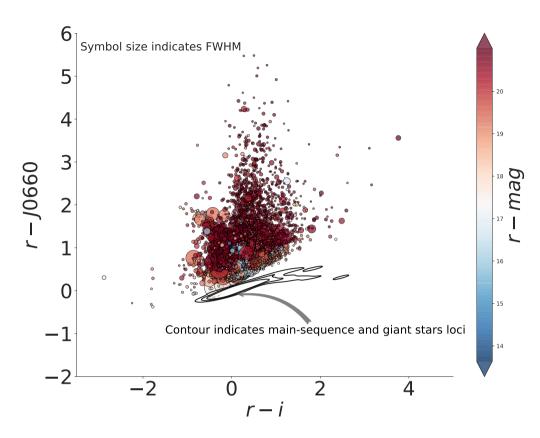


Figure 3. Emission lines selected...

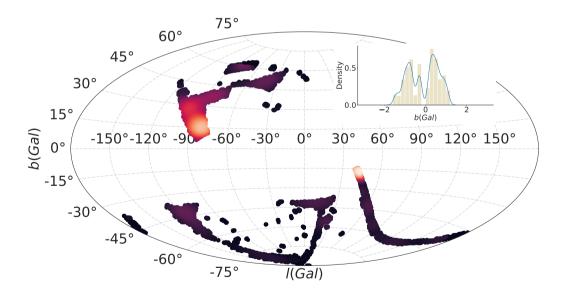


Figure 4. This is my embedded figure

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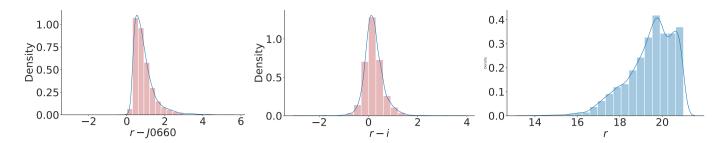


Figure 5. Emission lines selected...

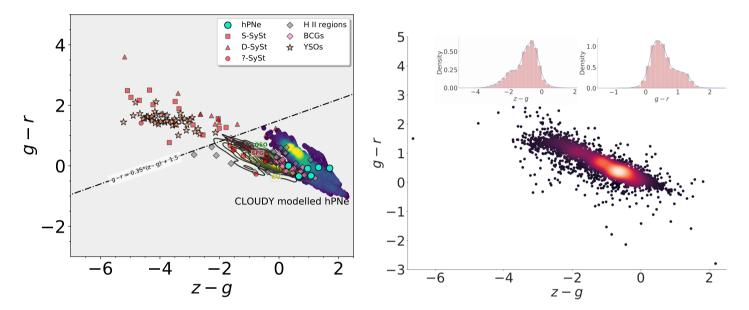


Figure 6. New color-color diagram to separate the blue objects from the red ones.

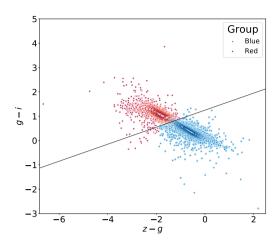


Figure 7. Classifying...