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ABSTRACT

This is a simple template for authors to write new MNRAS papers. The abstract should briefly describe the aims, methods, and main results of the paper. It should be a single paragraph not more than 250 words (200 words for Letters). No references should appear in the abstract.

Key words: keyword1 – keyword2 – keyword3

1 INTRODUCTION

1.1

This is a simple template for authors to write new MNRAS papers. See mnras_sample.tex for a more complex example, and mnras_guide.tex for a full user guide.

All papers should start with an Introduction section, which sets the work in context, cites relevant earlier studies in the field by Others (2013), and describes the problem the authors aim to solve (e.g. Author 2012).

2 DATA

In this work we have considered haloes from two different catalogues:

The Millennium Simulation: here we present a simulation of the growth of dark matter structure using 2,1603 particles, following them from redshift z=127 to the present in a cube-shaped region 2.230 billion lightyears on a side

The Millennium-XXL Simulation (MXXL): with a box side of 3 Gpc h^1 , it was especially tailored to study massive haloes which can be only found in very large volumes. It

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}.\tag{1}$$

2.1 Figures and tables

Figures and tables should be placed at logical positions in the text. Don't worry about the exact layout, which will be handled by the publishers.

Figures are referred to as e.g. Fig. 1, and tables as e.g. Table 1.

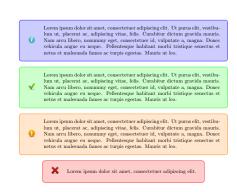


Figure 1. This is an example figure. Captions appear below each figure. Give enough detail for the reader to understand what they're looking at, but leave detailed discussion to the main body of the text.

3 CONCLUSIONS

The last numbered section should briefly summarise what has been done, and describe the final conclusions which the authors draw from their work.

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Table 1. This is an example table. Captions appear above each table. Remember to define the quantities, symbols and units used.

A	В	С	D
1	2	3	4
2	4	6	8
3	5	7	9

ACKNOWLEDGEMENTS

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REFERENCES

Author A. N., 2013, Journal of Improbable Astronomy, 1, 1 Others S., 2012, Journal of Interesting Stuff, 17, 198

APPENDIX A: SOME EXTRA MATERIAL

If you want to present additional material which would interrupt the flow of the main paper, it can be placed in an Appendix which appears after the list of references.

This paper has been typeset from a T_EX/IAT_EX file prepared by the author.