

# 1 IJMATH LATEX template - title goes here

2 E. A. Surname<sup>1\*</sup>,  A. N. Other<sup>2</sup>,  Third Author<sup>2,3</sup>  and Fourth Author<sup>3</sup> 

<sup>1</sup>Istanbul University, Faculty of Science, Department of Mathematics, Vezneciler, 34134, Istanbul, Türkiye

<sup>2</sup>Department, Institution, Street Address, City Postal Code, Country

<sup>3</sup>Another Department, Another Institution, Street Address, City Postal Code, Country

## 3 ABSTRACT

4 This is a simple template for authors to write new IJMATH papers. The abstract should briefly describe the aims,  
5 methods, and main results of the paper. It should be a single paragraph not more than 300 words. No references should  
6 appear in the abstract.

7 **Keywords:** keyword1 – keyword2 – keyword3

## 8 1. INTRODUCTION

9 This is a simple template for authors to write new IJMATH papers. See `ijmath_sample.tex` for a  
10 more complex example, and `ijmath_guide.pdf` for a full user guide.

11 All papers should start with an Introduction section, which sets the work in context, cites relevant  
12 earlier studies in the field by [Author1 et al. \(2018\)](#), and describes the problem the authors aim to  
13 solve.

## 14 2. SECTION

15 Manuscripts should be divided into ordered and numbered sections. These sections should contain  
16 sufficient details to allow others to replicate and build on published results. New methods and  
17 protocols should be described in detail while well-established methods can be briefly described  
18 and appropriately cited. All headings (except Introduction and Conclusion) can be divided into  
19 subsections.

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20 **2.1. Subsection**

21 *2.1.1. Sub-Subsection*

22 Bulleted lists look like this:

23 • First bullet;

24 • Second bullet;

25 • Third bullet.

26 Numbered lists look like this:

27 1. First item

28 2. Second item

29 3. Third item

30 Mathematical definitions that can be used are as follows:

31 **Definition 2.1.** This is a definition

32 **Remark 2.2.** This is a remark

33 **Lemma 2.3.** *This is a lemma*

34 **Proposition 2.4.** *This is a proposition*

35 **Theorem 2.5.** *This is a theorem*

36 **Proof.** This is a proof

37 **Proof of Theorem 1.5.** This is a proof

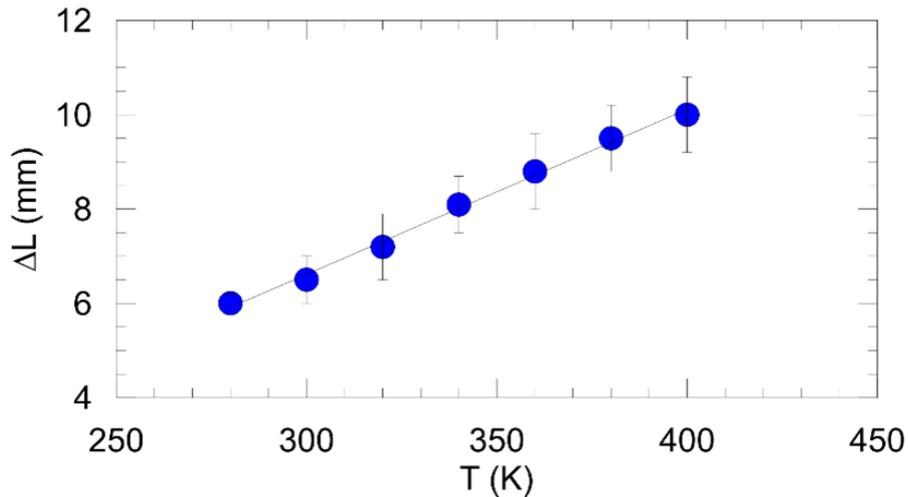
38 **Definition.** This is a definition without number

39 **Proposition.** *This is a proposition without number*

40 Authors should provide a concise and precise description of the theoretical/experimental results,  
 41 their interpretation as well as the conclusions that can be drawn in these sections.

#### 42 *Figures, Tables and Schemes*

43 All figures and tables should be cited in the main text as Figure 1, Table 1, etc.



**Figure 1.** This is a figure. Schemes follow the same formatting. If there are multiple panels, they should be listed as: (a) Description of what is contained in the first panel. (b) Description of what is contained in the second panel. Figures should be placed in the main text near to the first time they are cited.

**Table 1.** This is a table caption. Tables should be placed in the main text near to the first time they are cited

Title 1	Title 2	Title 3
Data 1	Data 3 <sup>1</sup>	Data 5
Data 2	Data 4	Data 6

<sup>1</sup>Tables may have footer

44 **NOTE:** Tables, if preferred, can also be prepared in landscape format.

#### 45 *Mathematics*

46 Scalar variables are *italic*; vectors are ***bold italic*** (no arrows); matrices are bold; dot products are  
 47 denoted by a bold centred dot  $\bullet$ , cross-products by a bold multiplication sign  $\times$ . Differential d,

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48 complex  $i$ , exponential  $e$ ,  $\sin$ ,  $\cos$ ,  $\tan$ ,  $\log$ , etc., are not italic. Sub/superscripts that are physical  
49 variables are italic, while those that are merely labels are roman (e.g.  $C_t$  and  $F_v$  but  $T_{\text{eff}}$  and  $b_{\text{max}}$ ).

## 50 *Equations*

51 This is the example of a simple equation:

$$52 \qquad \qquad \qquad x = 1 \qquad \qquad \qquad (1)$$

53 This is the example of a longer equation:

$$54 \qquad \qquad \qquad y = a + b + c + d + e + f + g + h + i + j + k + l + m + n + o + p \qquad (2)$$

55 This is the example of a sequence of equations:

$$56 \qquad \qquad \qquad \begin{aligned} &x = 1 \\ &y = 2 \\ &z = 3 \end{aligned} \qquad \qquad \qquad (3)$$

## 57 **3. CONCLUSION**

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

## 60 **ACKNOWLEDGEMENTS**

61 Here you can thank helpful colleagues, acknowledge funding agencies and facilities used. It should  
62 be kept short.

## 63 **REFERENCES**

64 Author 1, S., Author 2, T., Author 3, U., 2018, Journal Abbreviation, 10, 142-149.  
65 Author 1, L., 2007, The title of the contribution. The Book Title; Editor 1, F., Editor 2, A., Eds.; Publishing House: City, Country,  
66 32–58.  
67 Author 1, A., Author 2, B., 2008, Book Title, 3rd ed.; Publisher: Publisher Location, Country, 154–196.

- 68 Author 1, A.B., Author 2, C., 2008, Abbreviated Journal Name year, phrase indicating stage of publication (submitted; accepted; in  
69 press).
- 70 Author 1, A. B., 2015, Title of Thesis. Level of Thesis, Degree-Granting University, Location of University,  
71 Title of Site. Available online: URL (accessed on Day Month Year).
- 72 Author 1, A.B.; Author 2, C. Title of Unpublished Work. Abbreviated Journal Name year, phrase indicating stage of publication  
73 (submitted; accepted; in press).
- 74 Author 1, T., Author 2, S., Author 3, K., et al., 2018, preprint (arXiv: 0245.35874)

## 75 **SUPPLEMENTARY**

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

- 78 This paper has been typeset from a  $\text{\TeX}$ / $\text{\LaTeX}$  file prepared by the author.