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***RESEARCH ARTICLE - MATHEMATICS***

**Title of the article**

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| **Article Info.** | **Abstract** |
| *Article history:*ReceivedXX February 2023AcceptedXX April 2023PublishingXX June 2023 | The manuscript should contain an abstract. The abstract should be self-contained and citation-free and should not exceed 300 words. The abstract should state the purpose, approach, results and conclusions of the work. The author should assume that the reader has some knowledge of the subject but has not read the paper. Thus, the abstract should be intelligible and complete in itself (no numerical references); it should not cite figures, tables, or sections of the paper. The abstract should be written using the third person instead of the first person. |
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**1. Introduction**

This document can be used as a template for Microsoft Word. Do not submit papers written with editors other than MS Word; they will not be accepted for review. Submit papers by performing careful spellcheck and English language grammar check. The style from these instructions will adjust your fonts and line spacing. Please do not change the font sizes or line spacing to squeeze more text into a limited number of pages.

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*2.1. The paper should have the following structure*

2.1.1. Title of the paper

2.1.2. Authors and affiliations

2.1.3. Abstract

2.1.4. Keywords

2.1.5. Introduction

|  |  |  |
| --- | --- | --- |
| **Nomenclature &** **Symbols** |  |  |
| CPV | Concentrating Photovoltaic | CPC | Compound Parabolic Concentrator |
| CR | Concentration Ratio | PCM | Phase Change Material |
| Iabs | Irradiancies on the Absorber Plane (w/m2) | Aabs | Area of the Absorber Plane (m2) |
| Β | Reflectivity (%) | Ω | Vertex Angle (O) |

2.1.6. Nomenclature & Symbols

2.1.7. Main body

2.1.8. Conclusions

2.1.10. Acknowledgement

2.1.10. References

3. Page style

All paragraphs must be justified alignment with justified alignment.

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The title and authors' details must be in the middle of the page.

Only the first word in a title must be capitalised, and the other word should be in a small case. Author details must not show any professional title (e.g. Managing Director), any academic title (e.g. Dr.) or any member of any professional organization (e.g. Senior Member IEEE).

To avoid confusion, do not use the short name, and the family name must be written as the last part of each author’s name (e.g. Osamah Sabah Barrak).

Each affiliation must include, at the very least, the name of the company and the name of the country where the author is based (e.g. Education College, Mustansiriyah university, Baghdad, Iraq). Email address is compulsory for the corresponding author.

Table 1. Font Specifications for A4 Papers

|  |  |
| --- | --- |
| Font Size | Appearance (in Time New Roman) |
|  | Regular | Bold |
| 12 | table caption, centredfigure caption, centredreference item |  |
| 10 | Author’s affiliationParagraphabstract body |  |
| 10 |  | author name |
| 14 |  | Paper title |

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Any table, figure or picture must have a caption (Fig. 1, Table1, etc.) followed by a proper description. All similar graphics must be generated using the same software product (Excel, EES, Mat lap, Origin, Mathematica, etc.). Importing pictures into the article as images (JPG, BMP, PNG, etc.) should be avoided. All similar electronic schematics, charts, program flow, simulated characteristics, etc., from the article, should be generated using the same software product. Importing images from other articles or books, it’s totally forbidden unless they are cited.

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Fig. 1. The text within the figure is Times New Roman, with an equivalent height of 9 points, as the caption is. All letters used in the figure are explained in the caption: L = patch length, W = patch width, Cd = cut depth, Cw = cut width, Fl = feed length, Fw = feed width

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Figures must be numbered using Arabic numerals. Figure captions must be in 8 pt Regular font. Captions of a single line (e.g. Fig. 2) must be centred, whereas multi-line captions must be justified (e.g. Fig. 1). Captions with figure numbers must be placed after their associated figures, as shown in Fig. 1.



Fig. 2. Solar system exploration

3.3.2. Table captions

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*3.4. Equations*

Equations should be numbered consecutively throughout the paper. The equation number is enclosed in parentheses and placed flush right, as in (1). Your equation should be typed using the Times New Roman font (please, no other font). To create multilevel equations, it may be necessary to treat the equation as a graphic and insert it into the text after your paper is styled.

$\sin(x)+\cos(y=a)$ (1)

$dL=G\*d\_{w}$(2)

Use the same symbol in a definition over the entire article. Use correct symbols for physical or technical terms. (Example: ε0 and not ε0 for permittivity). Do not repeat definitions over the article. Refer to already defined symbols, equations, and theorems by using the cross reference number (Example: As pointed in (1) the…).

Acknowledgement

This is a text of acknowledgement. Do not forget the people who have assisted you with your work. Do not exaggerate with thanks. If your work has been paid by a Grant, mention the Grant name and number here.

**Reference**

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