



TITLE OF THE PAPER SUBMITTED TO THE IRAQI JOURNAL FOR MECHANICAL AND MATERIAL ENGINEERING (16pt. Bold, capital letters, Times New Roman, single-spaced)

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ABSTRACT (12pt., Bold Times New Roman)

The abstract should contain the goal, the methodology, and the main results of the paper. It should not have any formulas in it. The length of the abstract should not be less than 100 and should not exceed 250 words. (12pt., Times New Roman, single spacing)

Keywords: Keyword1, keyword2, keyword3, keyword4, keyword5. (10 pt. Times New Roman)

NOMENCLATURE (12pt. Bold, Capital letter, Times New Roman)

Term 1	Interpretation 1
Term 2	Interpretation 2
ϕ	Porosity
s	Skin factor

1. INTRODUCTION (12pt. Bold, Capital letter, Times New Roman)

The introduction should introduce the reader to the subject of the paper, a review of the previous works related to the topic of the paper. (Times new roman 12pt.).

Al-Obaidi [1] showed an example how to cite a journal article. This is a case of one author only. Al-Obaidi and Lee [2] showed an example how to cite a journal article in press. This is a case of one author only. However, Al-Obaidi et al. [3, 6, 9] produced different results.

Literature review that has been done author used in section of "Introduction" to explain the difference of the manuscript with other papers, that it is innovative, it is used in the section "Research Method" to describe the step of research and used in the section "Results and Discussion" to support the analysis of the results [4-6].

2. STRUCTURE

The paper for publication can be subdivided into multiple sections: title, list of all the authors and their affiliations, a concise abstract, keywords, main text (including figures,

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equations, and tables), acknowledgement, references, and appendices. The final manuscript must not exceed **20 pages**, including references and appendices, when formatted according to the journal's template. (Bold, 12 pt. capital letters).

2.1. Text Layout Sub-heading

The paper must be single column, single spaced, except for the headings as outlined below. Acceptable font is Times New Roman, 12 pt.

2.2.1 Sub-sub-heading

Acceptable font is Times New Roman, 12 pt.

3. MATHEMATICAL RELATIONS

The basic theoretical considerations are presented. We analyze the general formulations. The main text should be written using Times New Roman, 12 pt., and with bold sections and bold small letters subsections.

The equations are written in Math Type, or equation editor size 12pt, with consecutive numbering [4]:

$$V_e = V_{cle} + \frac{V_{swe}}{2} \left[1 - \cos\theta + \frac{1}{\lambda_e} \left(1 - \sqrt{1 - \lambda_e^2 \sin^2\theta} \right) \right] \quad (1)$$

Describe details about the general relations. The equations continued by numbering, i.e.

$$W = \oint PdV_c + \oint PdV_e \quad (2)$$

In-line equations/expressions are embedded into the paragraphs of the text. For example, $E = mc^2$. In-line equations or expressions should not be numbered and should use the same/similar font and size as the main text.

4. METHOD OF SOLUTION (12pt. Bold, Capital letter, Times New Roman)

Her the computational details must be given. Computational algorithm must be described in details.

Explaining research chronological, including research design, research procedure (in the form of algorithms, Pseudocode or other), how to test and data acquisition [1-3]. The description of the course of research should be supported references, so the explanation can be accepted scientifically [2, 4]. Tables and Figures are presented in center as shown in Table 1 and Figure 1.

5. RESULTS AND DISCUSSION (12pt. Bold, Capital letter, Times New Roman)

In this section the results obtained in the work must be presented and deeply discussed with all figures. This section must be started with a suitable verification to the

mathematical model using the comparison with the experimental results or with the available published data by other workers (12pt. times new roman, single spacing).

Figures should have relevant legends but should not contain the same information which is already described in the main text. Figures (diagrams and photographs) should also be numbered consecutively. Figures, should have a figure caption placed underneath. The size of the figure is measured in centimeters and inches. Please prepare your figures at the size within 17 cm (6.70 in) in width and 20 cm (7.87 in) in height. Figures should be in the original scale, with no stretch or distortion.

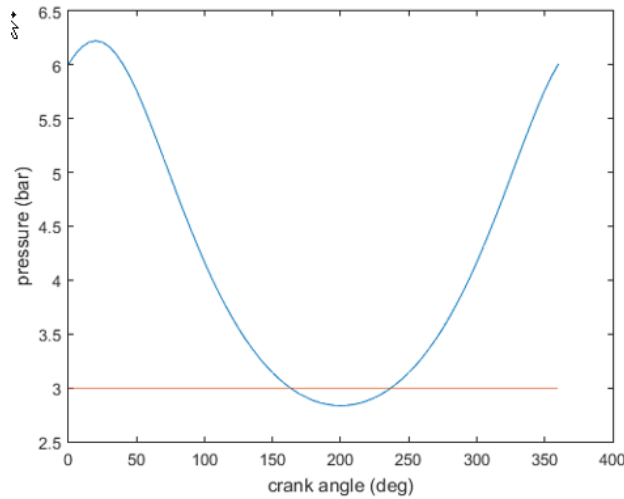


Fig.1. Pressure Vs. crank angle. (a) Normal stress; (b) Tangential stress. (12 pt., Times New Roman)

6. CONCLUSIONS (12pt. Bold, Capital letter, Times New Roman)

The main results of the paper should be provided. The conclusions should not be copy-paste text from the previous text and Abstract (12pt.times new romans). They must be written as clear points sequentially.

Tables should also be numbered consecutively. Tables should have a table caption placed above. Captions should be centered in the format “Table 1. The text caption ...”. For one example, see Table 1. If the caption has more than one line, the text should be justify aligned on both ends.

Table 1. Physical properties of blends. (12 pt font, bold)

Sample (10 pt font, bold)	Calorific value (kJ/kg)	Density (kg/m³)	Viscosity (Pa. s)	Octane number at 16.5°C
Gasoline				

REFERENCES (12pt. Bold, Capital letter, Times New Roman)

The main references are international journals and proceedings. All references should be to the most pertinent and up-to-date sources. References are written in **IEEE style, at**

least 20 References of current related published research. Please use a consistent format for references – see examples below which are for (12 pt): [1] Journal Article, [2] Conference Paper, [3] Patented invention, [4] Ph.D. Thesis, [5] M. Sc. Thesis and [6] Book.

- [1] F. Yan, Y. Gu, Y. Wang, C. M. Wang, X. Y. Hu, and H. X. Peng, "Study on the interaction mechanism between laser and rock during perforation," *Optics and Laser Technology*, vol. 54, No. 2, pp. 303-308, Dec. 2013.
- [2] L. Liu and H. Miao, "A specification-based approach to testing polymorphic attributes," in *Formal Methods and Software Engineering: Proceedings of the 6th International Conference on Formal Engineering Methods (ICFEM 2004)*, J. Davies, W. Schulte, and M. Barnett, Eds. Berlin: Springer, 2004, pp. 306-319, doi: 10.1109/TBME.2011.2158315.
- [3] M. R. Brooks, "Musical toothbrush with adjustable neck and mirror," U.S. Patent 326189, May 19, 1992.
- [4] J. O. Williams, "Narrow-band analyzer," Ph.D. dissertation, Dept. Elect. Eng., Harvard Univ., Cambridge, MA, 1993.
- [5] A. B. Smith, "Advanced mechanical stress analysis of composite materials," M.S. thesis, Dept. of Mechanical Engineering, University of Babylon, Babylon, Iraq, 2022.
- [6] B. Klaus and P. Horn, *Robot Vision*. Cambridge, MA: MIT Press, 1986.

Appendices

Authors that need to include an appendix should place it after the References section. Multiple appendices are allowed and they should be labeled in the order in which they appear in the text. Appendices shall be labeled as Appendix A, Appendix B, Appendix C, etc. The references in the appendix should be attached at the end of the appendix and renumbered from 1. The format should be consistent with the reference in the main text.