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|  | **Al-Rafidain Journal of Engineering Sciences** |  |
| **Journal homepage** [**https://rjes.iq/index.php/rjes**](https://rjes.iq/index.php/rjes)**ISSN 3005-3153 (Online)**  |
| **A Title Should be the Fewest Possible Words that Accurately Describe the Content of the Paper (Align Left,** **Bold, 16pt)**First Author1, Second Author2 and Third Author3 (10 pt)1,3Department of Computer Technical Engineering, Al Rafidain University College, 10064 Baghdad, Iraq (9 pt)2 Department of Electrical Engineering, University of Baghdad, Baghdad, Iraq (9 pt)1E-mail of First Author :2E-mail of Second Author :3E-mail of Third Author : |
| **ARTICLE INFO** | **ABSTRACT** |
| ***Article history:***Received xxxxRevised xxxx,Accepted xxxx,Available online xxxx | A well-prepared abstract enables the reader to identify the basic content of a document quickly and accurately, to determine its relevance to their interests, and thus to decide whether to read the document in its entirety. The Abstract should be informative and completely self-explanatory, provide a clear statement of the problem, the proposed approach or solution, and point out major findings and conclusions. The Abstract should be 200 to 250 words in length. The abstract should be written in the past tense. Standard nomenclature should be used and abbreviations should be avoided. No literature should be cited. The keyword list provides the opportunity to add keywords, used by the indexing and abstracting services, in addition to those already present in the title. Judicious use of keywords may increase the ease with which interested parties can locate our article (9 pt). |
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**1. Introduction (Bold, 12 pt)**

The main text format consists of a two column on A4 paper, single space, Time New Roman 12pt.

The Introduction should provide a clear background, a clear statement of the problem, the relevant literature on the subject, the proposed approach or solution, and the new value of research which it is innovation. It should be understandable to colleagues from a broad range of scientific disciplines. Organization and citation of the bibliography are made in sign [1, 2] and so on.

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 [3].

**2. Methodology (Bold, 12 pt)**

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.

**Figure 1.** Experimental S-N curves of constant fatigue test for conditions (10pt)

**Table 1:** Chemical composition of 7075-T6 Al alloy in wt% (10pt)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Al** | **other** | **Ti** | **Zn** | **Cr** | **Mn** | **Mg** | **Cu** | **Fe** | **Si** | **AA7075-T6** |
| Balance | 0.09 | 0.032 | 5.61 | 0.19 | 0.12 | 2.2 | 1.87 | 0.3 | 0.28 | EXPERMENTIAL |
| Balance | ≤0.15 | ≤0.2 | 5.16.1 | 0.180.28 | ≤0.3 | 2.12.9 | 1.22.0 | ≤0.5 | ≤0.4 | STANDARD |

**3. Results and discussion (Bold, 12 pt)**

In this section, it is explained the results of research and at the same time is given the comprehensive discussion. Results can be presented in figures, graphs, tables and others that make the reader understand easily [2, 5]. The discussion can be made in several sub-chapters.

*3.1 Sub section* *1(12pt, Italic)*

The most widely used and well discussed in the scientific papers is the class of genetic algorithms. The genetic algorithm is the first presented among the class of evolutionary algorithms.

**4. Conclusions (Bold, 12 pt)**

Provide a statement that what is expected, as stated in the "Introduction" chapter can ultimately result in "Results and Discussion" chapter, so there is compatibility. Moreover, it can also be added the prospect of the development of research results and application prospects of further studies into the next (based on result and discussion).

**References (Bold, 12 pt)**

 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 12 References of current related published research**. Please use a consistent format for references – see examples below (10 pt):

1. F. Yan, Y. Gu, Y. Wang, C. M. Wang, X. Y. Hu, H. X. Peng, et al., "Study on the interaction mechanism between laser and rock during perfo 2, ration," 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, Seattle, WA, USA, November 8-12, 2004, J. Davies, W. Schulte, M. Barnett, Eds. Berlin: Springer, 2004. pp. 306-19.
3. M.R. Brooks, “Musical toothbrush with adjustable neck and mirror,” U.S Patent 326189 [Online],

1. J. O. Williams, “Narrow-band analyzer,” Ph.D. dissertation, Dept. Elect. Eng., Harvard Univ., Cambridge, MA, 1993.
2. B. Klaus and P. Horn, Robot Vision. Cambridge, MA: MIT Press, 1986.