INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY SCIENTIFIC ENGINEERING RESEARCH AND TECHNOLO

ISSN: XXXX-XXXX; e-ISSN: XXXX-XXXX

Vol XX, Issue XX, XXX-XXX

DOI:

International Journal of Multidicipilinary Engineering Scientific Research and Technology

ORIGINAL ARTICLE

Title of the Paper (Use Title Style)

First Author¹, Second Author², *, Third Author¹, and Fourth Author³

- ¹Faculty of Manufacturing Engineering, IIT Madras.
- ²Faculty of Electrical and Electronics Engineering, NIT Calicut.
- ³Faculty of Engineering and Technology, IIT Bombay.

ABSTRACT - The abstract should be written using the Normal style with Arial Narrow font, size 10. The following is an example of how an abstract should look like. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis sit amet volutpat neque. Praesent venenatis massa id velit mollis, vestibulum mollis quam pretium. Vestibulum convallis scelerisque lorem, at rhoncus sem venenatis eu. Pellentesque egestas non ante quis placerat. In hac habitasse platea dictumst. Nulla at lectus ornare, auctor ipsum at, vestibulum ligula. Nam a gravida ex, nec elementum nibh. Aliquam at turpis vitae quam sodales interdum non sit amet ante. Fusce nec mauris vitae erat porta auctor. Proin molestie sollicitudin dolor, vel ornare erat auctor et. Aenean eu augue ut dui molestie gravida. In auctor arcu ornare rutrum tempus. Vivamus libero mi, blandit ullamcorper mi ut, gravida aliquet nisi.

ARTICLE HISTORY

Received: xxxx Revised: xxxx Accepted: xxxx

KEYWORDS

Keyword 1 Keyword 2

Keyword 3

Keyword 4 Keyword 5

INTRODUCTION

The introduction should come next, this being the start of the main body of the text. Appropriate figures, tables and references should be included in the manner and styles outlined below. An acknowledgment of where the research was completed and how it was sponsored is mandatory. The manuscript must be submitted in English on $210 \Box 285$ mm format within margins as follows: Top = 30 mm, Bottom = 30 mm, Left = 20 mm, Right = 20 mm, Gutter= 10 mm, Header= 15 mm, Footer= 15 mm. Each manuscript must be about 10 pages. The text of the paper should be typed in 11 pt. Times New Roman (or an equivalent typeface) with default leading or 11 pt. leading. The text should be justified on the right and left margins.

The remainder of this paper is organized as follows: Section 2 briefly presents an overview Section 3 explains the concept Section 4 provides the experimental settings and discusses the experimental results. Section 5 concludes the paper.

EQUATIONS AND UNITS

Equation

Equations should be set apart from the text and flash left. Use one line of space to separate equations from text. Simple equations can be embedded within the text.

$$X_{best}(t) = \min_{i \in I} fit_i(X(t))$$
 (1)

and for function maximization problem,

$$X_{best}(t) = \max_{i \in 1, \dots, n} fit_i(X(t))$$
(2)

Figures

All figures, graphs and photographs should be clear and of high quality. Photographs should be good quality halftones, black-and-white and camera ready. Figures and photographs must be placed within the text of the paper, immediately following the text reference of the figure. All figures and photographs should be numbered consecutively and captioned

INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY SCIENTIFIC ENGINEERING RESEARCH AND TECHNOLO

ISSN: XXXX-XXXX; e-ISSN: XXXX-XXXX

Vol XX, Issue XX, XXX-XXX

DOI:

ORIGINAL ARTICLE



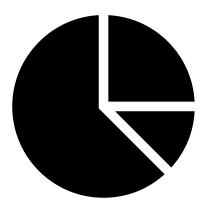


Figure 1. Simulated Kalman filter (SKF) algorithm.



Figure 2. Opposite point defined in domain [a,b].

Tables

All tables should be numbered consecutively with Arabic numerals and captioned.

Table 1. Table caption.

Column number 1	Column number 2	Column number 3
Parameter 1 (N)	12.3	1.5
Parameter 2 (kg)	34.50	12.00
Parameter 3 (mm)	25	9

ACKNOWLEDGMENT

This research was supported/partially by [Name of Foundation, Grant maker, Donor]. We thank our colleagues from [Name of the supporting institution] who provided insight and expertise that greatly assisted the research, although they may not agree with all of the interpretations/conclusions of this paper.

REFERENCES

- [1] K. Taylor, A. Post, T. B. Hoshizaki, and M. D. Gilchrist, "The effect of a novel impact management strategy on maximum principal strain for reconstructions of American football concussive events," *Proc. Inst. Mech. Eng. Part P J. Sport. Eng. Technol.*, vol. 233, no. 4, pp. 503–513, 2019, doi: 10.1177/1754337119857434.
- [2] H. Tan, L. Qin, Z. Jiang, Y. Wu, and B. Ran, "A hybrid deep learning based traffic flow prediction method and its understanding," *Transp. Res. Part C Emerg. Technol.*, vol. 90, no. January, pp. 166–180, 2018, doi: 10.1016/j.trc.2018.03.001.
- [3] J. B. Caccese *et al.*, "Head and neck size and neck strength predict linear and rotational acceleration during purposeful soccer heading," *Sport. Biomech.*, vol. 17, no. 4, pp. 462–476, 2018, doi: 10.1080/14763141.2017.1360385.
- [4] S. L. James et al., "Global, regional, and national incidence, prevalence, and years lived with disability for 354 diseases

INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY SCIENTIFIC ENGINEERING RESEARCH AND TECHNOLO

ISSN: XXXX-XXXX; e-ISSN: XXXX-XXXX

Vol XX, Issue XX, XXX-XXX

DOI:

International Journal of Multidicipilinary Engineering Scientific Research and Technology

ORIGINAL ARTICLE

- and injuries for 195 countries and territories, 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017," *Lancet*, vol. 392, no. 10159, pp. 1789–1858, 2018, doi: 10.1016/S0140-6736(18)32279-7.
- [5] X. Huang, J. Sun, and J. Sun, "A car-following model considering asymmetric driving behavior based on long short-term memory neural networks," *Transp. Res. Part C Emerg. Technol.*, vol. 95, no. February, pp. 346–362, 2018, doi: 10.1016/j.trc.2018.07.022.