

Research Paper

Cite this article: Erhart C, Lutz S, Mutschler MA, Scharf PA, Walter T, Mantz H, Weigel R (2019). Compact polarimetry for automotive applications. International Journal of Microwave and Wireless Technologies 1–7.
<https://doi.org/10.1017/xxxxx>

Received: xx xxxx xxxx
Revised: xx xxxx xxxx
Accepted: xx xxxx xxxx

Key words:
keyword entry 1, keyword entry 2, keyword entry 3

Author for correspondence:
First author, Email: xxxx@xxxx.xxx.xx

How to use the CSL L^AT_EX class

First author¹, Second author², Third author², Fourth author², Fifth author² and Seventh author²

¹First author address and ²Second author address

Abstract
This sample is a guideline for preparing technical papers using L^AT_EX for CSL manuscript submission. It contains the documentation for CSL L^AT_EX class file, which implements the layout of the manuscript for CSL journal. This sample file uses a class file named CSL.cls where the authors should use during their manuscript preparation.

Insert A head here

This demo file is intended to serve as a “starter file” for CSL journal papers produced under L^AT_EX using CSL.cls.

Insert B head here

Subsection text here.

Insert C head here

Subsubsection text here.

Equations

Sample equations.

gathered

$$\begin{array}{c} x^2 + y^2 = z^2 \\ x < y \end{array} \quad \begin{array}{c} \\ x^2 + y^2 = z^2 \\ x < y \end{array}$$

$$\begin{aligned} \frac{\partial u(t,x)}{\partial t} &= Au(t,x) \left(1 - \frac{u(t,x)}{K} \right) - B \frac{u(t-\tau,x)w(t,x)}{1 + Eu(t-\tau,x)}, \\ \frac{\partial w(t,x)}{\partial t} &= \delta \frac{\partial^2 w(t,x)}{\partial x^2} - Cw(t,x) + D \frac{u(t-\tau,x)w(t,x)}{1 + Eu(t-\tau,x)}, \end{aligned} \tag{1}$$

$$\begin{aligned} \frac{dU}{dt} &= \alpha U(t)(\gamma - U(t)) - \frac{U(t-\tau)W(t)}{1 + U(t-\tau)}, \\ \frac{dW}{dt} &= -W(t) + \beta \frac{U(t-\tau)W(t)}{1 + U(t-\tau)}. \end{aligned} \tag{2}$$

$$\begin{aligned} \frac{\partial(F_1, F_2)}{\partial(c, \omega)} \Big|_{(c_0, \omega_0)} &= \begin{vmatrix} \frac{\partial F_1}{\partial c} & \frac{\partial F_1}{\partial \omega} \\ \frac{\partial F_2}{\partial c} & \frac{\partial F_2}{\partial \omega} \end{vmatrix} \Big|_{(c_0, \omega_0)} \\ &= -4c_0q\omega_0 - 4c_0\omega_0p^2 = -4c_0\omega_0(q + p^2) > 0. \end{aligned}$$

Enunciations

Theorem 1. Assume that $\alpha > 0, \gamma > 1, \beta > \frac{\gamma+1}{\gamma-1}$. Then there exists a small $\tau_1 > 0$, such that for $\tau \in [0, \tau_1)$, if c crosses $c(\tau)$ from the direction of to a small amplitude periodic traveling wave solution of (2.1), and the period of $(\tilde{u}^p(s), \tilde{w}^p(s))$ is

$$\tilde{T}(c) = c \cdot \left[\frac{2\pi}{\omega(\tau)} + O(c - c(\tau)) \right].$$

Condition 1. From (0.8) and (2.10), it holds $\frac{d\omega}{d\tau} < 0, \frac{dc}{d\tau} < 0$ for $\tau \in [0, \tau_1)$. This fact yields that the system (2.1) with delay $\tau > 0$ has the periodic traveling waves for smaller wave speed c than that the system (2.1) with $\tau = 0$ does. That is, the delay perturbation stimulates an early occurrence of the traveling waves.

Figures & Tables

The output for figure is:

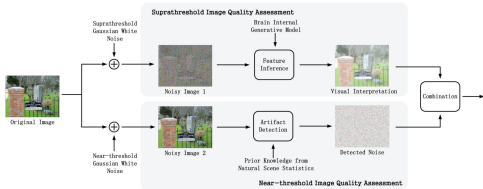


Fig. 1. Insert figure caption here

An example of a double column floating figure using two sub-figures. (The subfig.sty package must be loaded for this to work.) The subfigure \label commands are set within each subfloat command, the \label for the overall figure must come after \caption. \hfil must be used as a separator to get equal spacing. The subfigure.sty package works much the same way, except \subfigure is used instead of \subfloat. The output for table is:

Table 1. An Example of a Table

Column head 1	Column head 2	Column head 3	Column head 4
One	Two	three	four
Three	Four	three	four

table note

Conclusion

The conclusion text goes here.

Acknowledgement. Insert the Acknowledgment text here.
(Abercrombie 1967)
(Goldsmith 1995)
(Wolfram & Fasold 1974)
(Philippaki-Warburton, Katerina & Maria 1994)
(Gibson 1998)
(Nakayama & John 2005)
(Reinhart 1976)

References

Abercrombie, D. (1967), *Elements of general phonetics*, Edinburgh: Edinburgh University Press.
Gibson, E. (1998), ‘Linguistic complexity: Locality of syntactic dependencies’, *Cognition* **68**(1), 1–76.
Goldsmith, J., ed. (1995), *The handbook of phonological theory*, Oxford: Blackwell.
Nakayama, M. & John, A. (2005), *Eye-tracking and interlingual homographs: Evidence for non-selective access to the bilingual lexicon*, London, ON.
Philippaki-Warburton, I., Katerina, N. & Maria, S., eds (1994), *Themes in Greek linguistics*, Amsterdam: John Benjamins.
Reinhart, T. (1976), ‘The syntactic domain of anaphora.’.
Wolfram, W. & Fasold, R. W. (1974), *The study of social dialects in American English*, Englewood Cliffs, NJ: Prentice-Hall.