# How to use the CSL LaTeX class

First author[1], Second author[2], Third author[2], Fourth author[2], Fifth author[2] and Seventh author[2]

[1] First author address and [2] Second author address

**Abstract**

This sample is a guideline for preparing technical papers using LaTeX for CSL manuscript submission. It contains the documentation for CSL LaTeX 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 LaTeX using CSL.cls.

***Insert B head here***

Subsection text here.

*Insert C head here*

Subsubsection text here.

**Equations**

Sample equations.

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

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

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

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

## 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 $(\breve{u}^p(s), \breve{w}^p(s))$ is*

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

**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.*

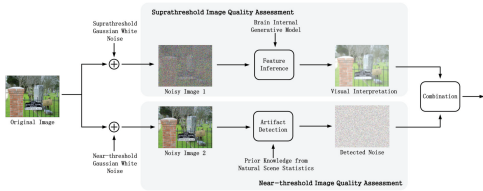## Figures & Tables

The output for figure is:



**Fig. 1.** Insert figure caption here

An example of a double column floating figure using two subfigures. (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.

## References

**Adade CM, de Castro SL and Soares MJ** (2007) Ultrastructural localization of *Trypanosoma cruzi* lysosomes by aryl sulphatase cytochemistry. *Micron* **38**, 252–256.

**Bayer-Santos E, Aguilar-Bonavides C, Rodrigues SP, Cordero EM, Marques AF, Varela-Ramirez A, Choi H, Yoshida N, da Silveira JF and Almeida IC** (2013) Proteomic analysis of *Trypanosoma cruzi* secretome: characterization of two populations of extracellular vesicles and soluble pro-teins. *Journal of Proteome Research* **12**, 883–897.

**First A. Author** received a degree in physics from the University of A in 1998 and received his Ph.D. degree in communication engineering in 2002. He now holds a research chair at the B institute. His main research interests are design and optimization of high power microwave power amplifiers.

**Second B. Author** received her Diploma in 1997 from the University of C and received her Ph.D. at the D University in 2001. She became a full university professor in 2009. She is currently serving as chair of the E project and is active in the study of Si power electronics.