

Insert the article title here

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Abstract: The abstract text goes here.

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1 Insert A head here

This demo file is intended to serve as a "starter file" for IMAIAI journal papers produced under LATEX using imaiai.cls v1.5e.

1.1 Insert B head here

Subsection text here.

Insert C head here: Subsubsection text here. 1.1.1

2 **Equations**

Sample equations.

$$\frac{\partial u(t,x)}{\partial t} = Au(t,x) \left(1 - \frac{u(t,x)}{K} \right) - B \frac{u(t-\tau,x)w(t,x)}{1 + Eu(t-\tau,x)},$$

$$\frac{\partial w(t,x)}{\partial t} = \delta \frac{\partial^2 w(t,x)}{\partial x^2} - Cw(t,x) + D \frac{u(t-\tau,x)w(t,x)}{1 + Eu(t-\tau,x)},$$
(1)

$$\frac{dU}{dt} = \alpha U(t)(\gamma - U(t)) - \frac{U(t - \tau)W(t)}{1 + U(t - \tau)},$$

$$\frac{dW}{dt} = -W(t) + \beta \frac{U(t - \tau)W(t)}{1 + U(t - \tau)}.$$
(2)

$$\frac{\partial(F_1, F_2)}{\partial(c, \omega)}_{(c_0, \omega_0)} = \begin{vmatrix} \frac{\partial F_1}{\partial c} & \frac{\partial F_1}{\partial \omega} \\ \frac{\partial F_2}{\partial c} & \frac{\partial F_2}{\partial \omega} \end{vmatrix}_{(c_0, \omega_0)}$$

3 **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 $(\check{u}^p(s), \check{w}^p(s))$ is

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

4 Figures & Tables

The output for figure is:

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

Fig. 1: Insert figure caption here

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

One	Two
Three	Four

Conclusion

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Acknowledgment

Insert the Acknowledgment text here.

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