



Article submitted to journal

Subject Areas:
xxxxx, xxxxx, xxxxx

Keywords:
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X. X. First author1, X. Second author2 and
X. Third author3

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1. Insert A head here

This demo file is intended to serve as a "starter file"
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(a) Insert B head here

Subsection text here.

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Subsubsection text here.

2. Equations

Sample equations.

Partial differential equations (1) with variables u, w, t, x and parameters A, B, C, D, delta, K, E.

Ordinary differential equations (2) with variables U, W, t and parameters alpha, gamma, beta.

Partial derivatives (3) of F1, F2 with respect to c, omega, evaluated at (c0, omega0).

### 3. Enunciations

**Theorem 3.1.** 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

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

**Condition 3.1.** 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.

### 4. Figures & Tables

The output for figure is:

**Figure 1.** Insert figure caption here

The output for table is:

**Table 1.** An Example of a Table

date	Dutch policy	date	European policy
1988	Memorandum Prevention	1985	European Directive (85/339)
1991–1997	<b>Packaging Covenant I</b>		
1994	Law Environmental Management	1994	European Directive (94/62)
1997	Agreement Packaging and Packaging Waste		

### 5. Conclusion

The conclusion text goes here.

**Ethics.** Insert ethics text here.

**Data Accessibility.** Insert data access text here.

**Authors' Contributions.** Insert author contribute text here.

**Competing Interests.** Insert competing text here.

**Funding.** Insert funding text here.

**Acknowledgements.** Insert acknowledgment text here.

**Disclaimer.** Insert disclaimer text here.

### References

- Allwood JM, Cullen JM. 2011 *Sustainable materials: with both eyes open*. Cambridge, UK: UIT Cambridge. See <http://www.withbotheyeyesopen.com>.
- MacKay DJC. 2008 *Sustainable energy: without the hot air*. Cambridge, UK: UIT Cambridge. See <http://www.withouthotair.com>.
- Gallman PG. 2011 *Green alternatives and national energy strategy: the facts behind the headlines*. Baltimore, MD: Johns Hopkins University Press.
- MacKay DJC. 2013. Solar energy in the context of energy use, energy transportation, and energy storage. *Proc. R. Soc. A* **371**.