THE FULL TITLE OF YOUR PAPER

FIRST-NAME1 LAST-NAME1

First line of the address of the first author
Other lines
Springfield, MO 65801-2604, USA

FIRST-NAME2 LAST-NAME2 AND FIRST-NAME3 LAST-NAME3

First line of the address of the second author
Other lines
Springfield, MO 65810, USA

(Communicated by the associate editor name)

ABSTRACT. This is the abstract of your paper and it should not exceed **200** words.

1. **Introduction.** Please use this AIMS template to prepare your tex file after the paper is accepted by an AIMS journal. Please read carefully all information including those proceeded by % sign. These are important instructions and explanations. Thank you for your cooperation.

2. **Examples.**

2.1. **A sample Theorem.**

Theorem 2.1. *Content of your theorem.*

Proof. To refer to equations in your paper, use the commands: 1, 3 and 4. □

2.2. **A sample Lemma.**

Lemma 2.2. *State your lemma here.*

Proof. Your proof statements. □

Text in both definition and remark should not be slanted.

2.3. **A sample Remark.**

Remark 1. Content of your remarks.

2.4. **A sample Definition.**

Definition 2.3. Sample: Let ϕ_t be an Anosmia flow on a compact space V and $A \subset V$ a dense set. Say that the upper Lacunae exponents are $\frac{1}{2}$-*pinched* on A if

$$\sup_{x \in A} \frac{\max\{|\bar{\lambda}| : \bar{\lambda} \text{ is a nonzero upper Lyapunov exponent at } x\}}{\min\{|\bar{\lambda}| : \bar{\lambda} \text{ is a nonzero upper Lyapunov exponent at } x\}} \leq 2. \qquad (1)$$

FIGURE 1. Here is the Caption of your figure

2.5. **Example of inserting a Figure.**

3. **How to align the math formulas.**

Theorem 3.1. *Content of your theorem.*

In the proof below, we would like to show you how to align the math formulas:

Proof of Theorem 3.1. Please refer to the following example and align your math formulas:

$$\begin{aligned}
\theta_\varepsilon \wedge d\theta_\varepsilon^{n-1} =&(\theta_0 + \varepsilon\alpha) \wedge (d(\theta_0 + \varepsilon\alpha))^{n-1} \quad \text{since } d\alpha = 0 \\
=&(\theta_0 + \varepsilon\alpha) \wedge (d\theta_0)^{n-1} + \theta_0 \wedge d\theta_0^{n-1} - \varepsilon d(\alpha \wedge \theta_0 \wedge d\theta_0^{n-2}) \\
&+ \theta_0 \wedge d\theta_0^{n-1} + \varepsilon\alpha \wedge d\theta_0^{n-1} \\
=&\theta_0 \wedge d\theta_0^{n-1} - \varepsilon d(\alpha \wedge \theta_0 \wedge d\theta_0^{n-2}),
\end{aligned} \qquad (2)$$

It also can be aligned in the following way:

$$\begin{aligned}
&\theta_\varepsilon \wedge d\theta_\varepsilon^{n-1} \\
=&(\theta_0 + \varepsilon\alpha) \wedge (d(\theta_0 + \varepsilon\alpha))^{n-1} \quad \text{since } d\alpha = 0 \\
=&(\theta_0 + \varepsilon\alpha) \wedge (d\theta_0)^{n-1} + \theta_0 \wedge d\theta_0^{n-1} - \varepsilon d(\alpha \wedge \theta_0 \wedge d\theta_0^{n-2}) \\
&+ \theta_0 \wedge d\theta_0^{n-1} + \varepsilon\alpha \wedge d\theta_0^{n-1} \\
=&\theta_0 \wedge d\theta_0^{n-1} - \varepsilon d(\alpha \wedge \theta_0 \wedge d\theta_0^{n-2}),
\end{aligned} \qquad (3)$$

Here is another example if the math expression in [ ] exceeds one line:

$$\int_0^T |u_0(t)|^2 dt \leq \delta^{-1}\Big[\int_0^T (\beta(t) + \gamma(t))dt \\ + T^{\frac{2(p-1)}{p}}\big(\int_0^T |\dot{u}_0(t)|^p dt\big)^{\frac{2}{p}} + T^{\frac{2(p-1)}{p}}\big(\int_0^T |\dot{u}_0(t)|^p dt\big)^{\frac{2}{p}}\Big]. \tag{4}$$

Please use the displaystyle if your formulas fully occupy a paragraph, while use textstyle among the text.

For two equations:

$$A = \theta_0 \wedge d\theta_0^{n-1} - \varepsilon d(\alpha \wedge \theta_0 \wedge d\theta_0^{n-2})$$
$$B = \theta_1 \wedge d\theta_1^{n-1} - \varepsilon d(\alpha \wedge \theta_1 \wedge d\theta_1^{n-2})$$

Please align your formulas nicely according above examples. Thanks. $\qquad\square$

REFERENCES

[1] FirstNameInitial. MiddleNameInitial. LastName, Title of the paper, *Name of the Journal*, **Volume** (Year), StaringPage–EndingPage.

[2] FirstNameInitial. LastName, *Torsion Cycles and Set Theoretic Complete Intersection*, Ph.D thesis, Washington University in St. Louis, 2006.

[3] *SARS Expert Committee, SARS in Hong Kong: From Experience to Action*, Report of Hong Kong SARS Expert Committee, 2003. Available from: http://www.sars-expertcom.gov.hk/english/reports/reports.html.

[4] F. Abergel and R. Tachet, work in progress.

[5] Y. Benoist, P. Foulon and F. Labourie, Flots d'Anosov a distributions stable et instable differentiables, (French) [Anosov flows with stable and unstable differentiable distributions], *J. Amer. Math. Soc.*, **5** (1992), 33–74.

[6] M. Entov, L. Polterovich and F. Zapolsky, Quasi-morphisms and the Poisson bracket, preprint, arXiv:math/0605406.

[7] J. Serrin, Gradient estimates for solutions of nonlinear elliptic and parabolic equations, in *Contributions to Nonlinear Functional Analysis* (eds. E.H. Zarantonello and Author 2), Academic Press, (1971), 33–75.

[8] J. Smoller, *Shock Waves and Reaction-Diffusion Equations*, 2nd edition, Springer-Verlag, New York, 1994.

[9] A. Teplinsky, Herman's theory revisited, preprint, arXiv:0707.0078.

[10] C. Wolf, A mathematical model for the propagation of a hantavirus in structured populations, *Discrete Continuous Dynam. Systems - B*, **4** (2004), 1065–1089.

E-mail address: email1@smsu.edu
E-mail address: email2@aimSciences.org
E-mail address: email3@ece.pdx.edu