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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

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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.

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* Corresponding author: xxxx.

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

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

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:

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

It also can be aligned in the following way:

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

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

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

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. □

Acknowledgments. We would like to thank you for **following the instructions above** very closely in advance. It will definitely save us lot of time and expedite the process of your paper's publication.

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*, 2^{nd} 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.

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