

THE FULL TITLE OF YOUR PAPER

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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 preceded 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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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

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



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:

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

It also can be aligned in the following way:

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

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

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

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.

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