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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 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.

2000 *Mathematics Subject Classification.* Primary: 58F15, 58F17; Secondary: 53C35.
Key words and phrases. Dimension theory, Poincaré recurrences, multifractal analysis.
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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

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

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.

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