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2. Materials and methods

2.1. Subheading

2.1.1. Sub-subheading

The heading levels should not be more than 4 levels. The font of heading and subheadings should be 12 point normal Times New Roman. The first letter of headings and subheadings should be capitalized.

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Leave a space of one line before and after a figure or an image, i.e., one line between the main text and the top of the figure or image, and one line between the bottom of the figure or image and the caption. The caption has a default space of 12 *pt* after it so the main text can continue below the caption. If no text follows the figure caption, do not leave any space between the caption and the next headline (the headline has a default space).



Figure 1. Legend of the figure.

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(Three-line table is preferred.)

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$$\lim_{x \rightarrow a^+} f(x) = \pm\infty \quad \text{or} \quad \lim_{x \rightarrow a^-} f(x) = \pm\infty \quad (3.1)$$

$$\lim_{x \rightarrow \infty} f(x) = a \quad \text{or} \quad \lim_{x \rightarrow -\infty} f(x) = b \quad (3.2)$$

To cite a formula in the text, use the number like Equation 3.1, or Eq 3.2, or alike.

4. Reference style, citation, and cross-reference

Journal uses numbered style for referencing. Cite references in the text by placing number(s) in square brackets by the end of a sentence [1, 2], or immediately after the Author's name, for example, Jackson [3] outlined that If an article has two authors, list both surnames, e.g., Wang and Guo [4] reported If an article has more than six authors, use the first author's surname and et al., e.g., Chen et al. [9] studied

Three or more consecutive references can be placed in the same square brackets by joining the start number and the end number by a hyphen like [5–8]. References with separate numbers can be placed in the same square brackets with individual numbers separated by comms like [2, 6, 9]. We recommend using software such as EndNote, RefWork or Mendeley to manage references. Otherwise, you have to manually edit the references according to different types of publications. Follow the examples shown in the list of references below for different types of publications [10–12].

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Use of AI tools declaration

The authors declare they have not used Artificial Intelligence (AI) tools in the creation of this article.

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Conflict of interest

The authors declare there is no conflict of interest.

References

1. FirstNameInitial. MiddleNameInitial. LastName, Title of the paper, *Name of the Journal*, **Volume** (Year), StartingPage–EndingPage. <https://doi.org/xxxxx>
2. FirstNameInitial. LastName, *Torsion Cycles and Set Theoretic Complete Intersection*, Ph.D thesis, Washington University in St. Louis, 2006. <https://doi.org/xxxxx>
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, R. Tachet, work in progress.
5. Y. Benoist, P. Foulon, 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. <https://doi.org/10.1090/S0894-0347-1992-1124979-1>
6. O. Diekmann, M. Gyllenberg, H. Huang, M. Kirkilionis, J. A. J. Metz, H. R. Thieme, On the formulation and analysis of general deterministic structured population models. II. Nonlinear theory, *J. Math. Biol.*, **43** (2001), 157–189. <https://doi.org/10.1016/j.media.2013.04.012>
7. S. Marchesseau, H. Delingette, M. Sermesant, R. Cabrera-Lozoya, C. Tobon-Gomez, P. Moireau, et al., Personalization of a cardiac electromechanical model using reduced order unscented Kalman filtering from regional volumes, *Med. Image Anal.*, **17** (2013), 816–829. <https://doi.org/10.1016/j.media.2013.04.012>
8. M. Entov, L. Polterovich, F. Zolpolsky, Quasi-morphisms and the Poisson bracket, preprint, [arXiv:math/0605406](https://arxiv.org/abs/math/0605406).
9. 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. <https://doi.org/10.1016/B978-0-12-775850-3.50017-0>
10. J. Smoller, *Shock Waves and Reaction-Diffusion Equations*, 2nd edition, Springer-Verlag, New York, 1994. <https://doi.org/10.1007/978-1-4612-0873-0>
11. A. Teplinsky, Herman's theory revisited, preprint, [arXiv:0707.0078](https://arxiv.org/abs/0707.0078).

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12. C. Wolf, A mathematical model for the propagation of a hantavirus in structured populations, *Discrete Contin. Dyn. Syst. B*, **4** (2004), 1065–1089. <https://doi.org/10.3934/dcdsb.2004.4.1065>

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Supplementary (if necessary)



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