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Thomas C. M. Lee
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Dear Dr. Lee,

I wish to submit the attached paper, "Visualizing uncertain curves and surfaces via Gaussian Oscillators," for consideration to be published in the *Journal of Computational and Graphical Statistics*. The paper contains 5 figures, 5862 words, and no tables. Many papers in this journal deal with curves or surfaces (for instance, regression or Gaussian Processes), whose uncertainty is inherently challenging to visualize. Animations are a useful and beautiful approach which meet this challenge, and provide important complementary information which other techniques omit. Since my paper advances these animations in several ways, I believe it will be of great interest to this journal's readership.

I emphasize the following novel and useful results. This is the first paper to investigate the quality of *individual* animations, rather than *populations* of animations. This is critically important, since real visualizations typically contain only a single animation. It also introduces a new animation technique, whose motion is fluid and natural, and whose animation frames are all on equal footing (no special "keyframes" are singled out). Finally, it paves the way for future developments, by identifying these animations as a special class of Gaussian processes (which I have called "Gaussian oscillators" for ease of reference).

Allow me to suggest several reviewers who I expect will find my work useful, and who will be able to critique it in detail. Philipp Hennig (`phennig@tuebingen.mpg.de`) has used animations to teach Gaussian Processes in summer and winter school sessions since 2013. John Skilling (`skilling@eircom.net`) developed the first statistically correct animation technique in 1991. Charles Ehlschlaeger (`ehlschl1@illinois.edu`), Ashton Shortridge (`ashton@msu.edu`), and Michael Goodchild (`good@geog.ucsb.edu`) applied Dr. Skilling's technique to elevation data in a highly cited paper from 1997.

I confirm that this manuscript has been submitted solely to this journal and that it is not published, in press, or submitted elsewhere. I confirm that this research complies with all relevant ethical guidelines and legal requirements. I confirm that I have prepared the complete text of the paper, that I am the sole author, and that I have seen, read, and understood your guidelines on copyrights. Finally, I confirm that I have no conflict of interest.

Thank you very much for your time and consideration. I look forward to hearing back from you.

Sincerely yours,

Charles R. Hogg III