Dear Editor,

On behalf of my coauthors, I am pleased to submit the manuscript titled, “**A finite-step convergent method for unconstrained optimization**” by Yunqing Huang, and Kai Jiang, for publication in **CSIAM Transactions on Applied Mathematics**.

In this work, we give a rigorous analysis to guarantee the finite-step convergence of a new optimization method, the hill-climbing method with a stick (HiCS). An economic sampling strategy based on the simplex is developed to treat high-dimensional optimization. Finally, the efficiency of the improved HiCS method is demonstrated by several benchmark high-dimensional examples.

We certify that the submission is original work and is not under consideration by another journal. All authors have approved the manuscript and agree with its submission.

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Thank you for your time and consideration. Please address all correspondence concerning this manuscript to me at Xiangtan University by E-mail: huangyq@xtu.edu.cn.

We look forward to hearing from you at your earliest convenience.

Sincerely yours,

Yunqing Huang