

The paper is well-structured, written in a standardized manner, clearly described, and the data can be obtained from the official website, which meets the requirements of the journal. By summarizing the previous work, he put forward his own point of view, that is, to improve the cuckoo search algorithm by using fractional differentiation to improve the computational accuracy and convergence speed. The experimental design is reasonable, and the performance of the new optimizer is compared with the existing method, and the results are good. But there are a few issues that need to be discussed:

1. Your improved cuckoo search algorithm needs to be compared with the SOTA model of the current cuckoo search algorithm, please add relevant content;
2. Why do you choose Caputo fractional gradient instead of other fractional gradients? please add relevant content;
3. Please add more information about why you chose Vgg16, AlexNet, and GoogLeNet instead of other CNN models in your experiment.