

Summed self force is smooth

Steven Dorsher

July 24, 2017

After taking the median, the maximum, and the minimum, but especially the median and maximum of a sorted list of the orders of `finfs` that do not produce nan's (I believe sorting by `finf`), the summed self force evolves smoothly. The minimum has a high relative error with features compared to the other two, which seem random and have a low relative error relative to each other. The two term and three term cases, for the median, have a relative error on the order of 10^{-4} . I have tested the case where several `lmins` and `lmaxes` are run, and the average over that surface is taken. I am using the small region of `lmins` and `lmaxes`. the `finfindex` in `fitcoefficient.py` needs to be modified to run with the new `bestfinselector.py` output, depending on whether a min, a max, or a median is chosen. It would be ideal to make this a command line or script option.



