Simulation of Standard Map with extra smoothing steps $n = 2500^2$ $n = 5000^2$ $n = 10000^2$ $n = 20000^2$ 0.9 $n = 40000^2$ $n = 80000^2$ 8.0 $\operatorname{var}(f)$ 0.6 0.5 0.4 10 20 30 40 k (iteration)