Simulation of Standard Map with extra smoothing steps $n = 2500^2$ $n = 5000^2$ $n = 10000^2$ 0.98 $n = 20000^2$ 0.9 $n = 40000^2$ 0.96 $n = 80000^2$ 0.94 8.0 0.4 0.5 0.6 $\operatorname{var}(f)$ 0.54 0.52 0.6 0.5 0.48 1.5 1.6 1.7 0.5 0.4 0.5 1.5 2.5 k/t_n (normalized iteration)