exact expectations k/n (together with minor ticks at equispaced values of A_k) 0.00 0.10 0.20 0.30 0.40 0.50 0.60 0.70 0.80 0.90 1.00 $A_k = 0.10 \ 0.20$ 0.30 0.40 0.50 0.60 0.80 0.90 0.70 0.10 0.08 0.06 $\tilde{\vec{A}}_{\lambda}$ <u>~</u> 0.04 0.02 0.00 0.00 0.10 0.20 0.30 0.40 0.50 0.60 0.70 0.80 0.90 1.00 S_k