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 0.12 - $A_k = 0.10 \ 0.20$ 0.30 0.40 0.50 0.80 0.90 0.60 0.70 0.10 0.08 0.06 - $F_k - \tilde{F}_k$ 0.04 -0.02 0.00 --0.02-0.040.00 0.32 0.45 0.55 0.63 0.71 0.77 0.84 0.89 0.95 1.00

 $S_k$