Integral evaluation

$p(x) = 1$
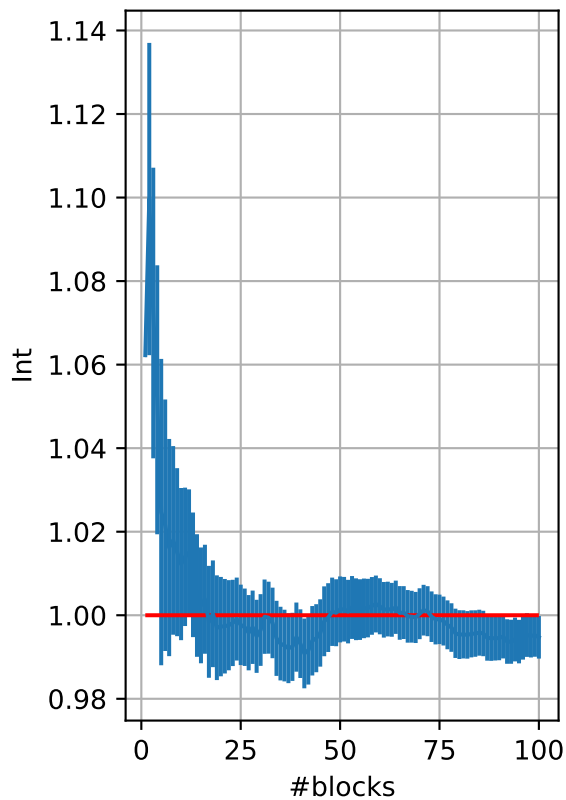
$p(x) = 2(1 - x^2)$