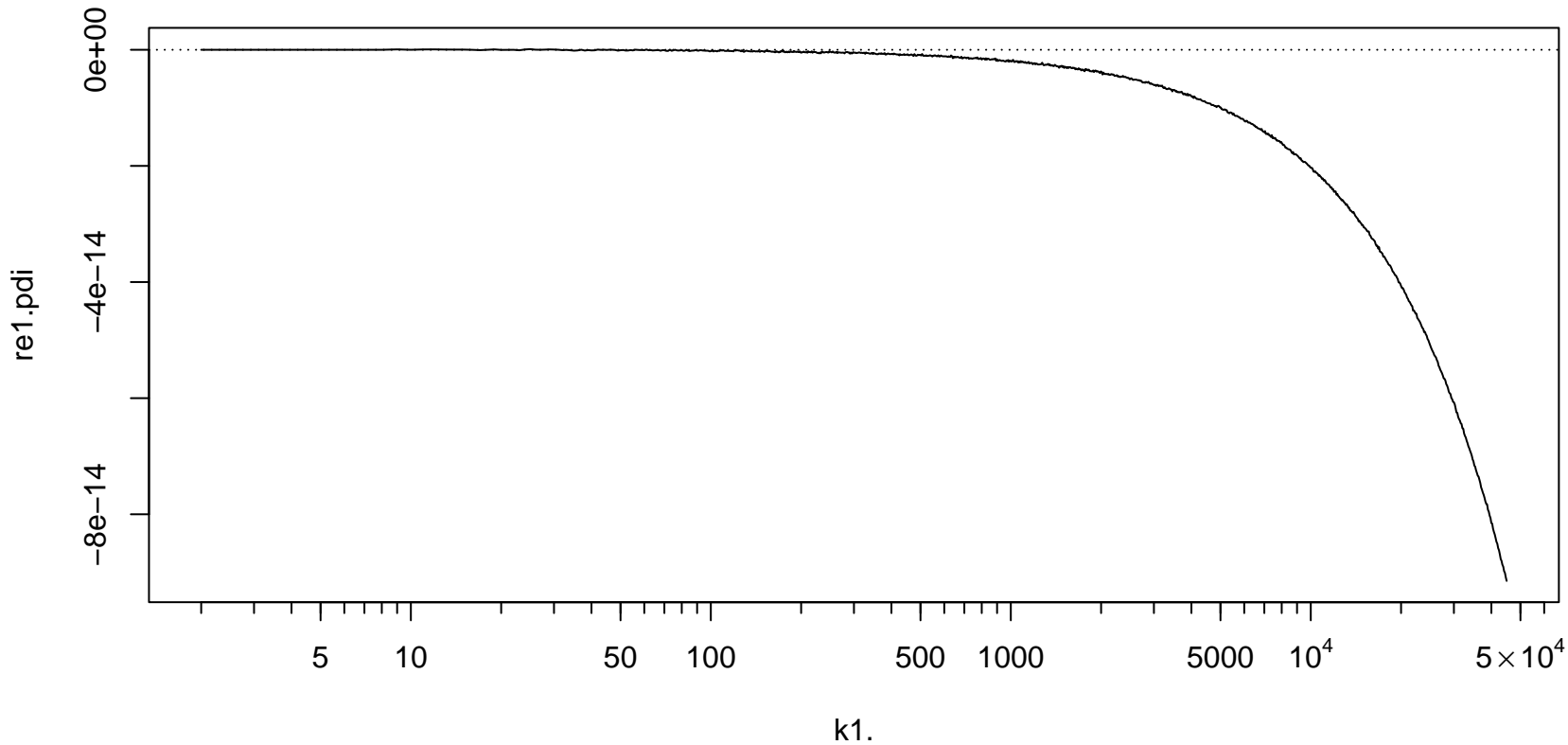
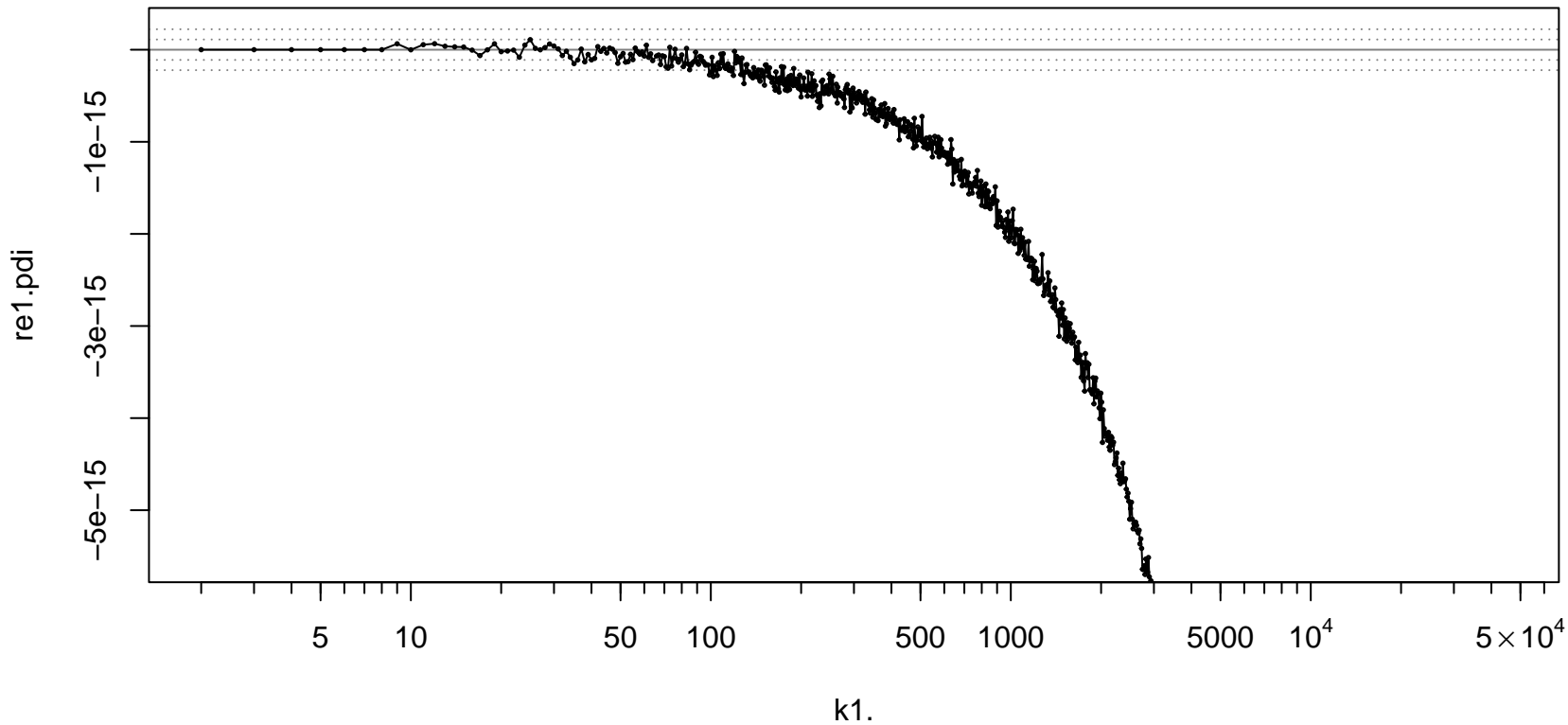


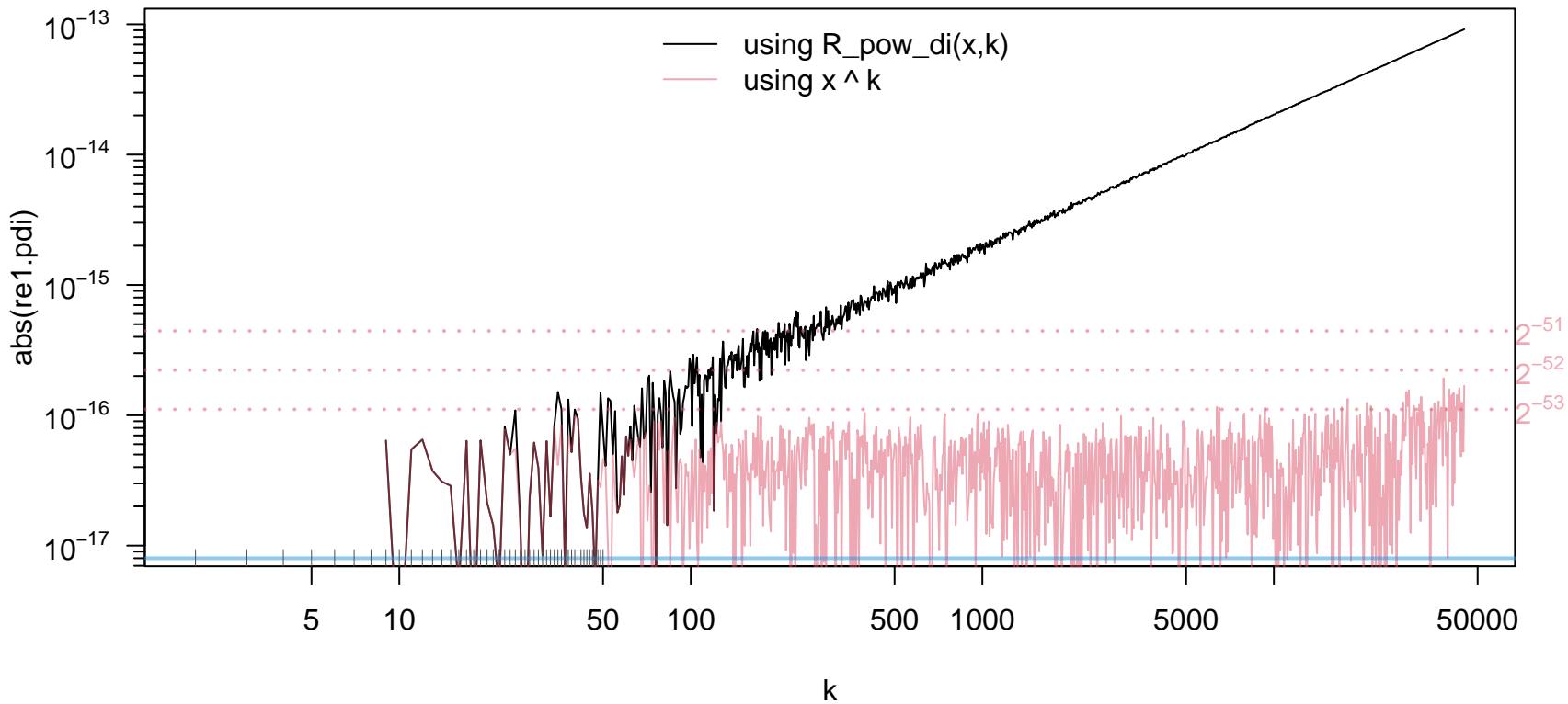
rel.error {wrt MPFR} of $(63/64)^k$ -- using R_pow_di()



rel.error of $(63/64)^k$ -- R_pow_di() -- zoomed in



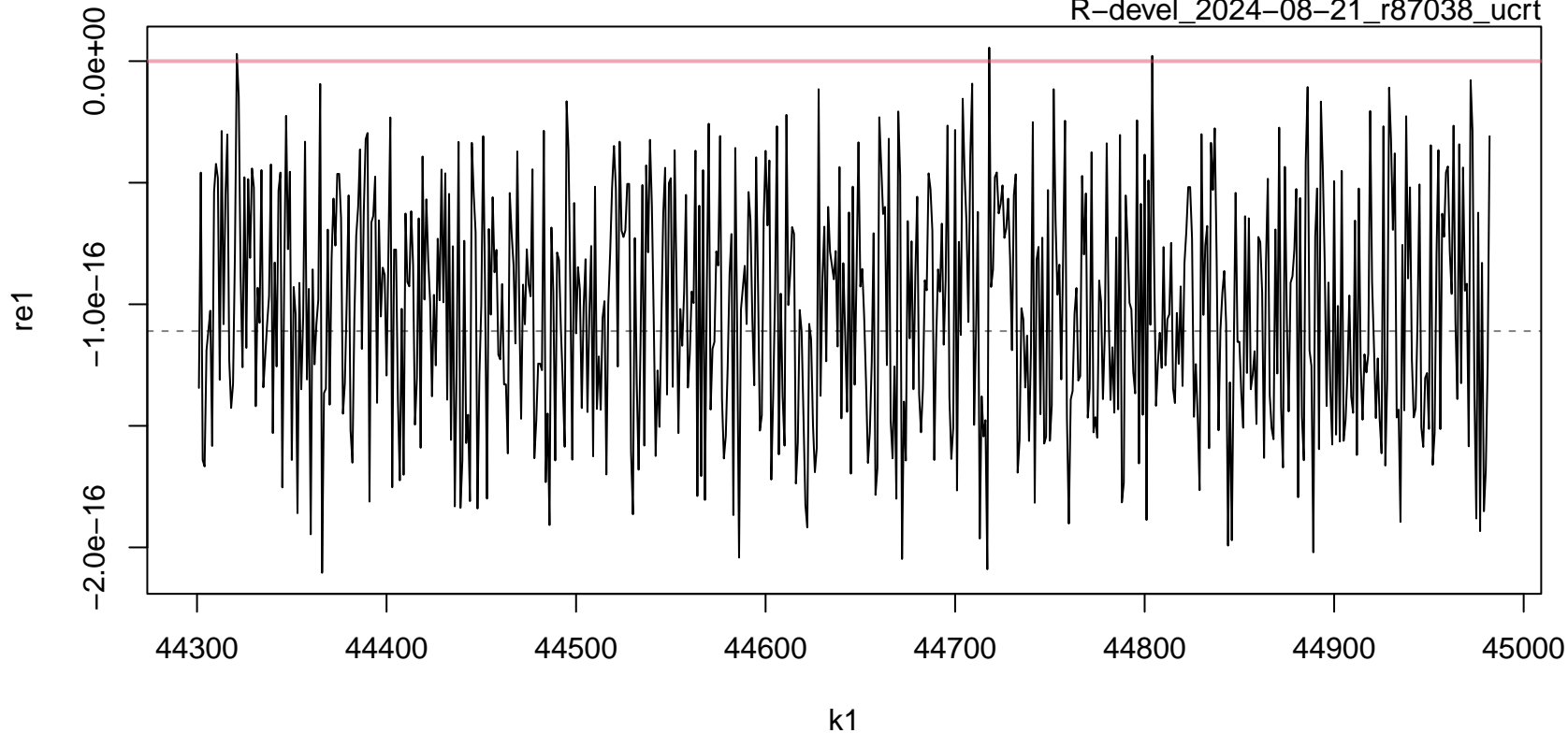
|rel.error| {wrt MPFR} of $\left(\frac{63}{64}\right)^k$

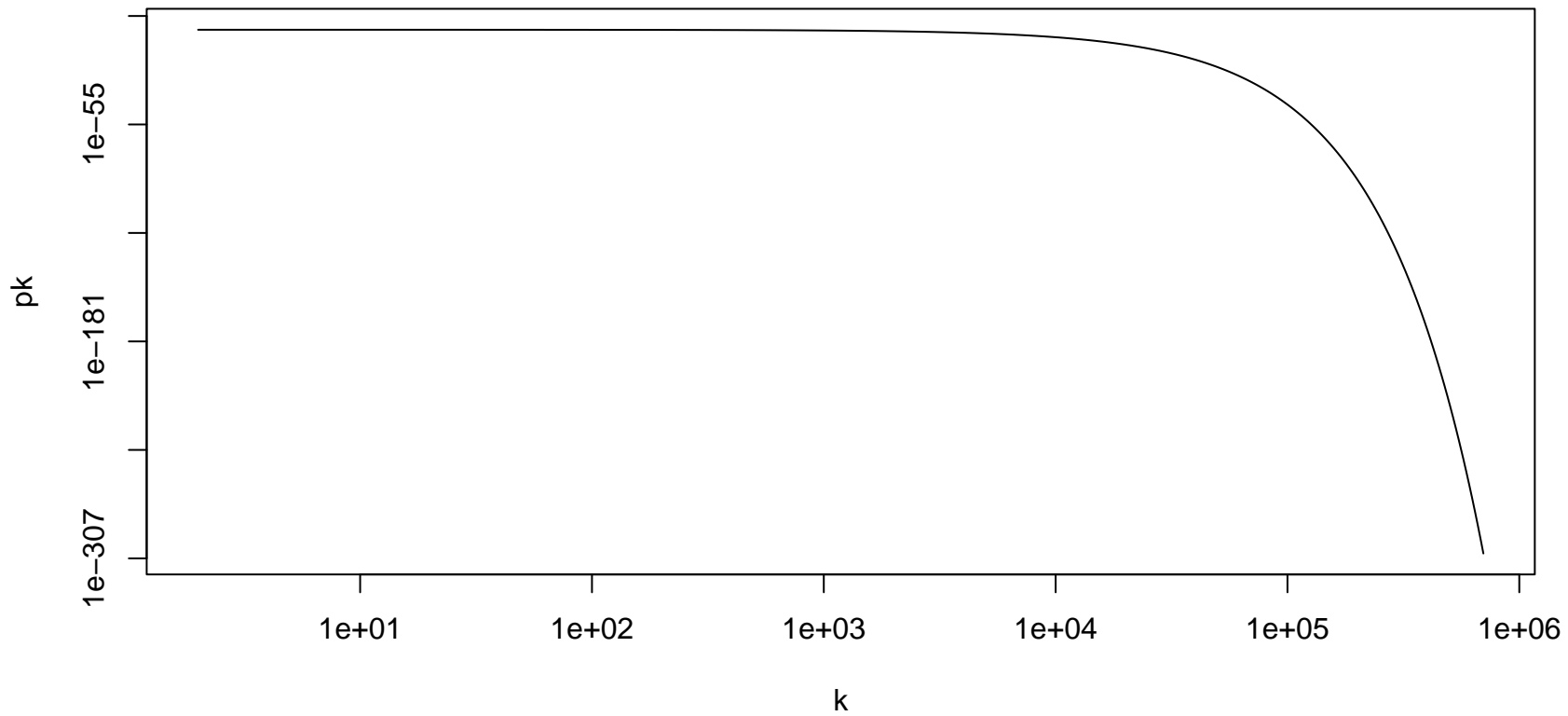


rel.error {wrt MPFR} of $(63/64)^k$

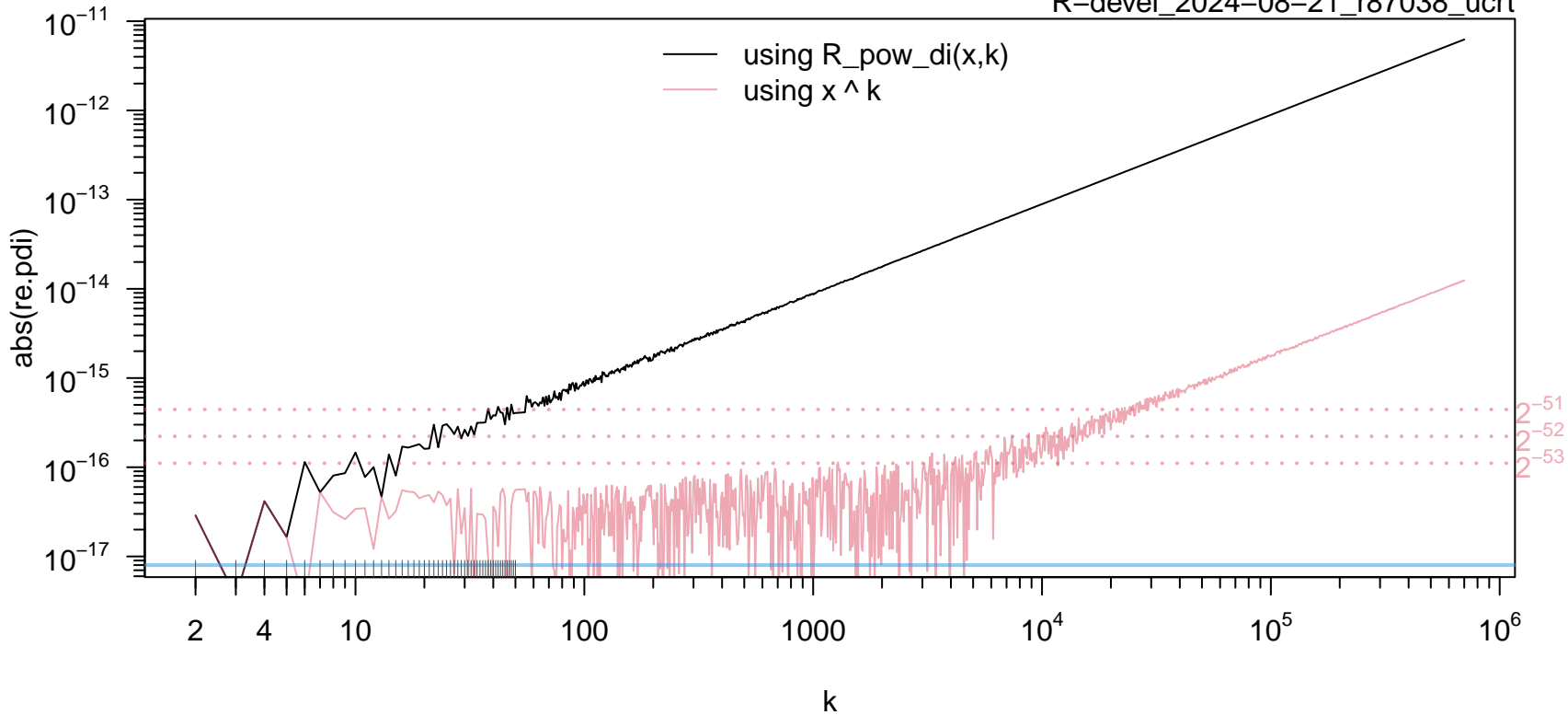
Windows Server 2022 x64 (build 20348)

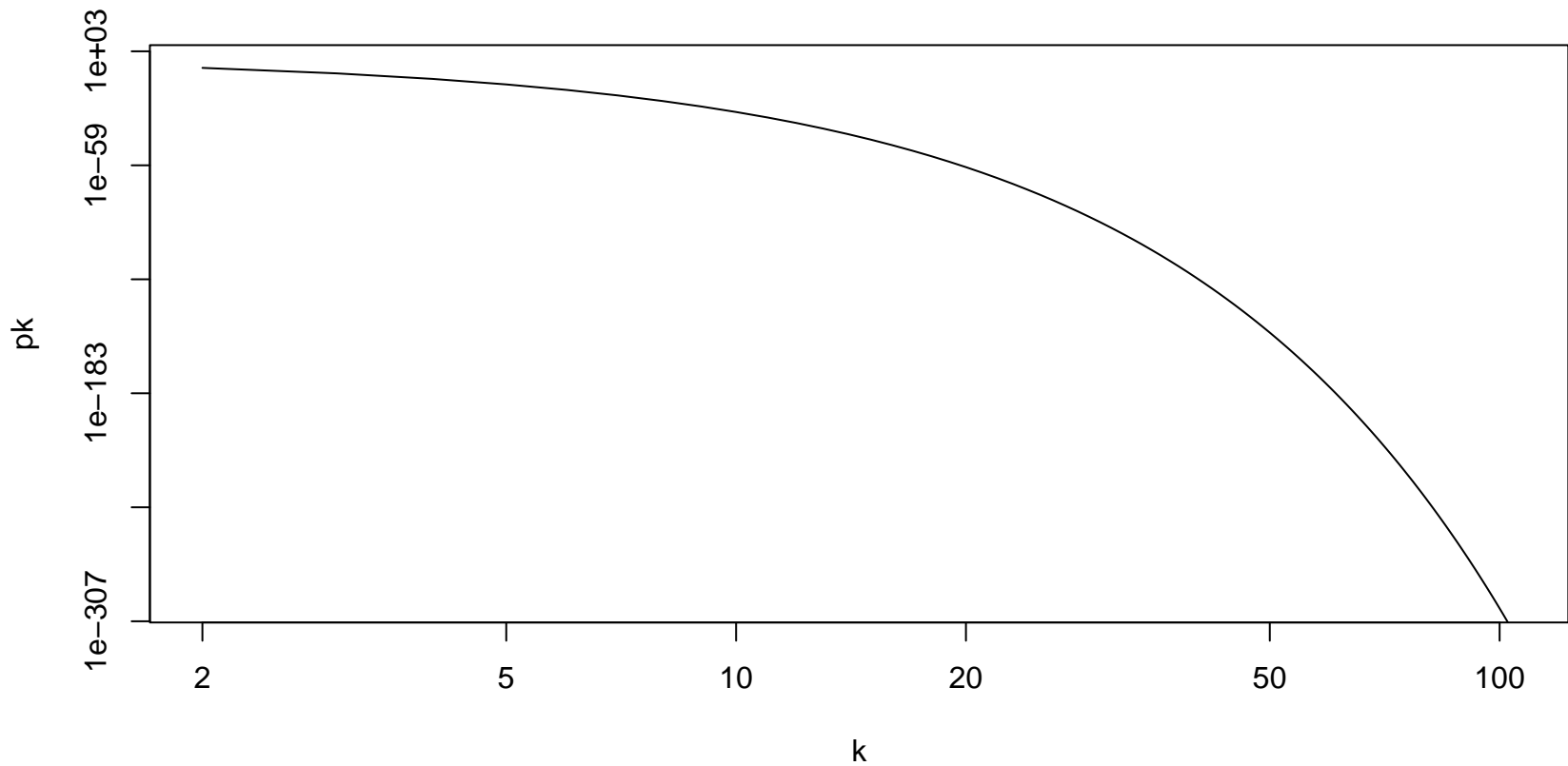
R-devel_2024-08-21_r87038_ucrt

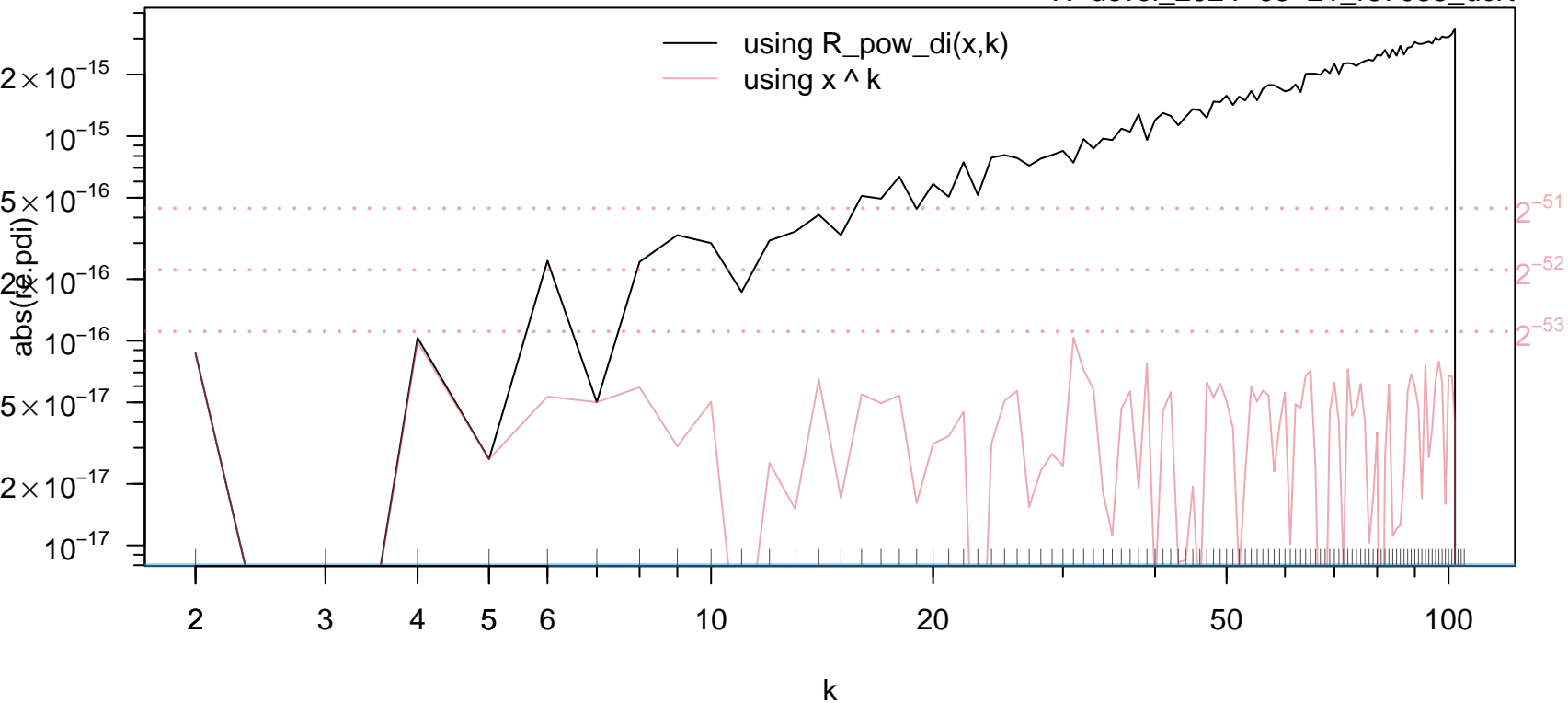




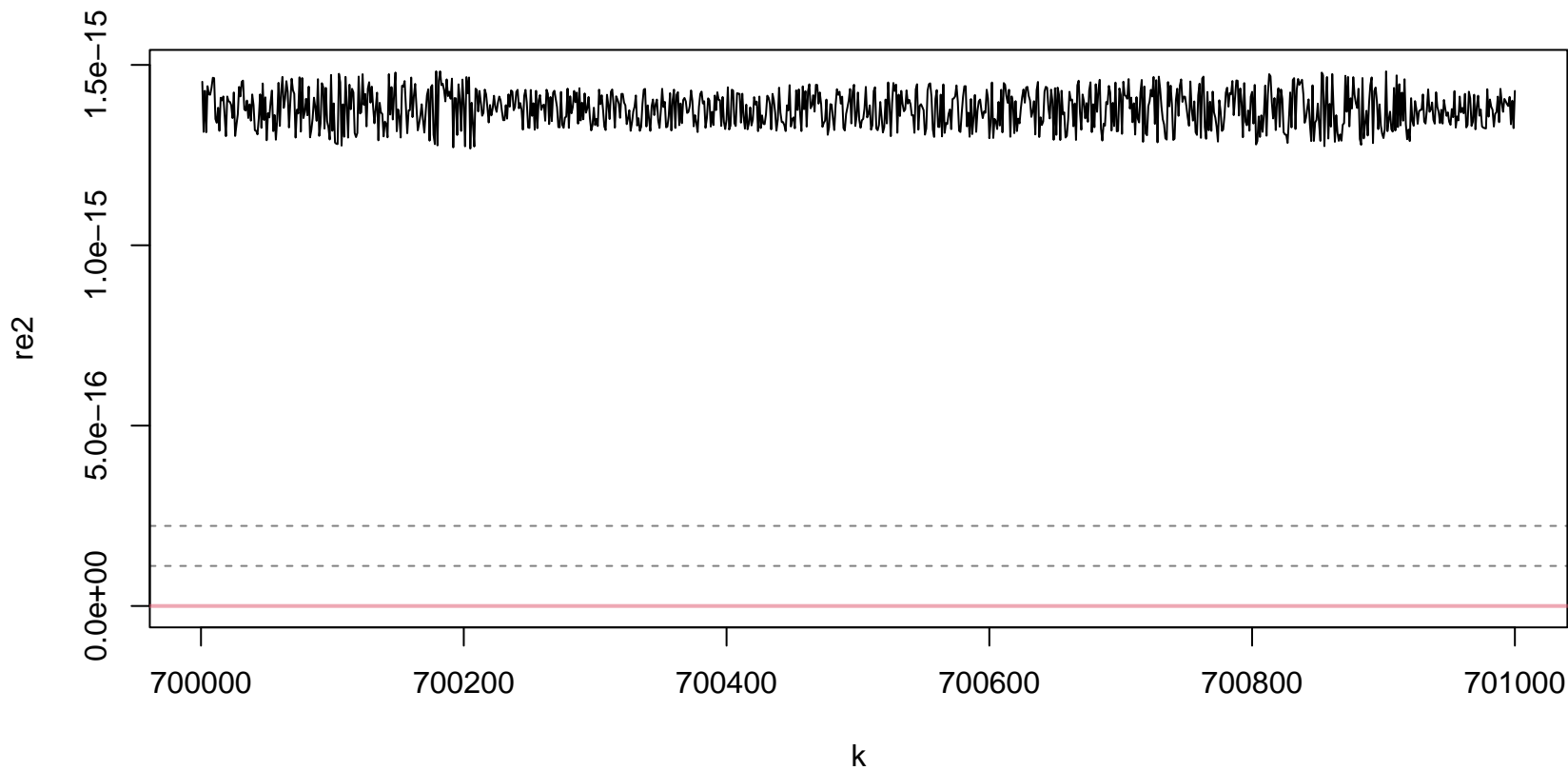
rel.error of 0.999^k Windows Server 2022 x64 (build 20348)
R-devel_2024-08-21_r87038_ucrt



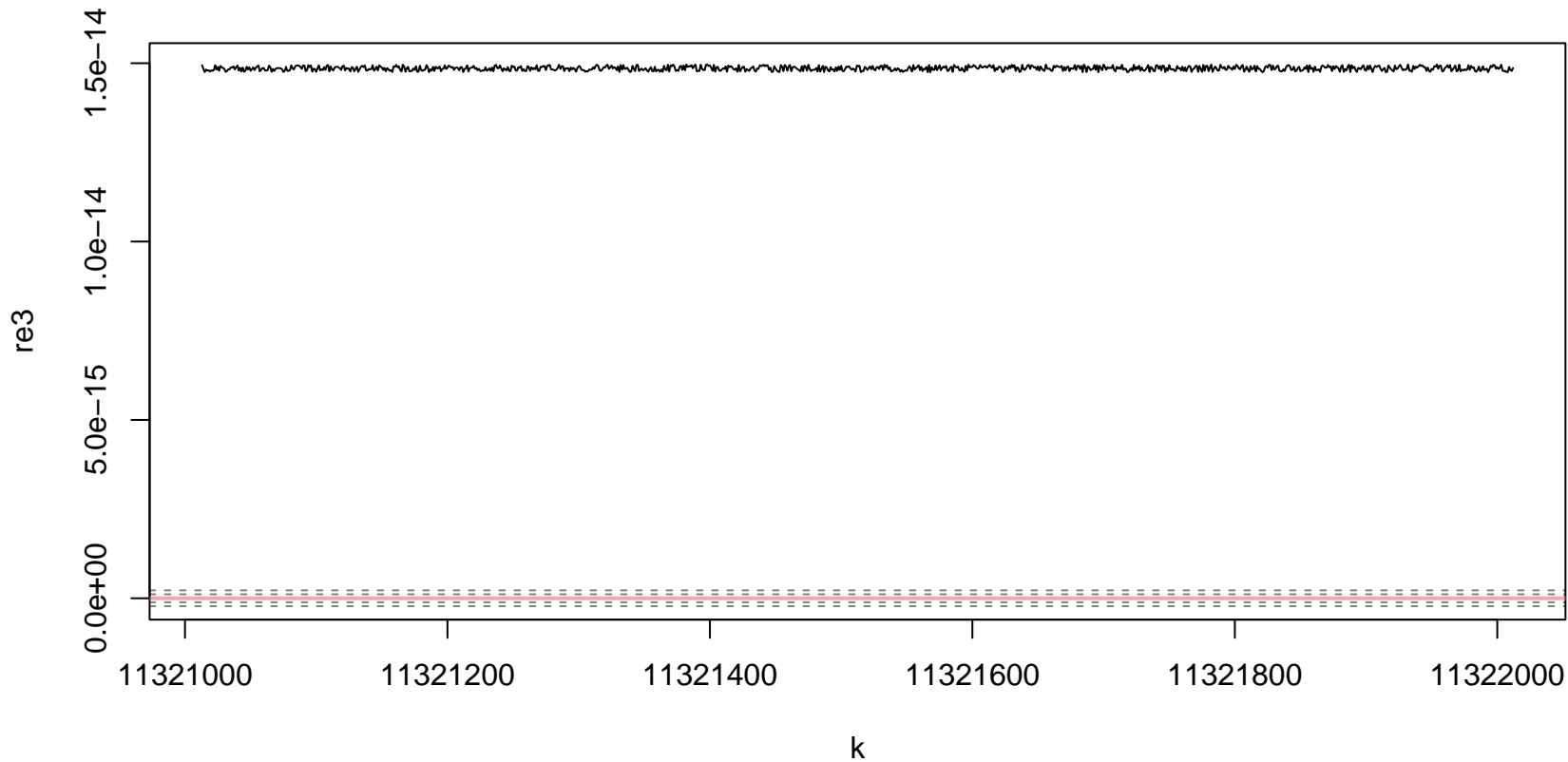


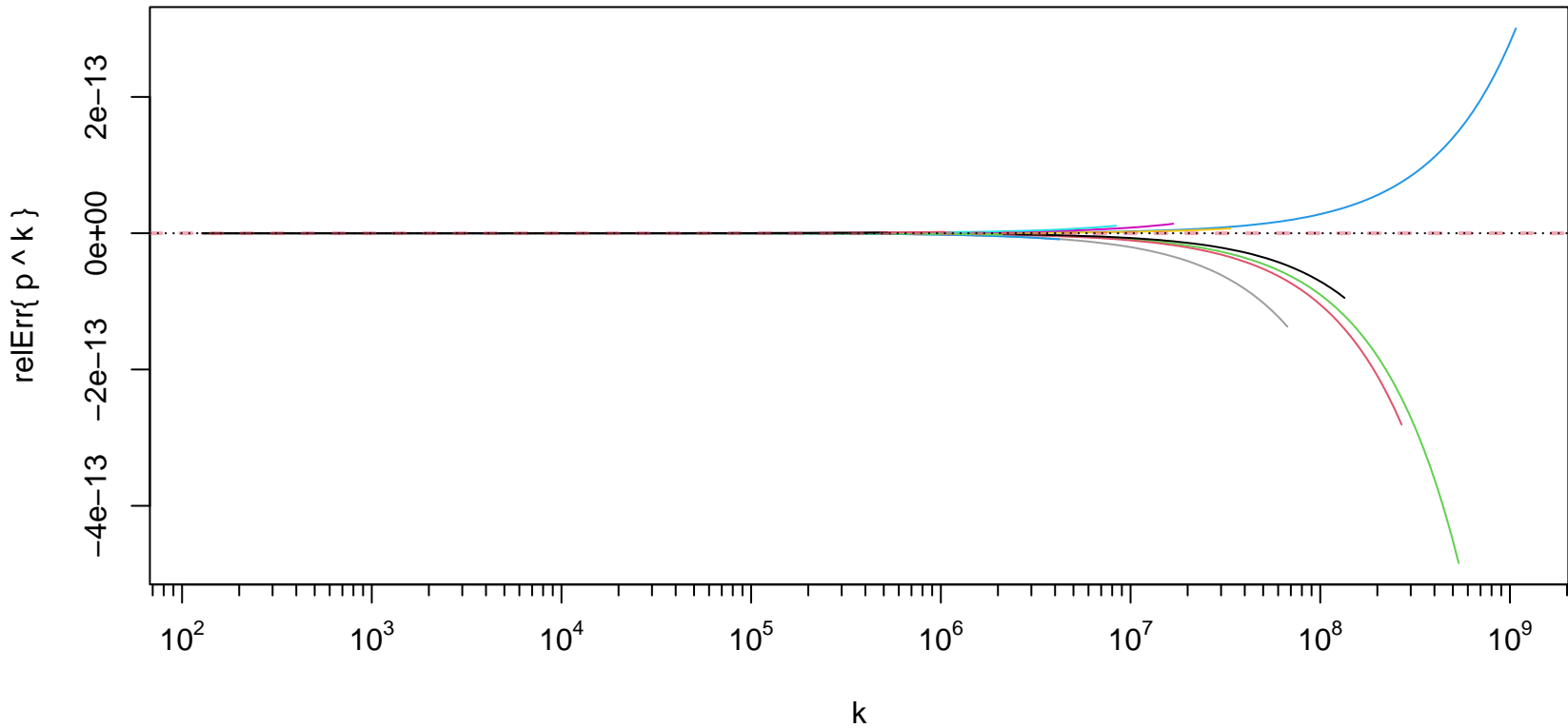


rel.Err of $(1023/1024)^k$



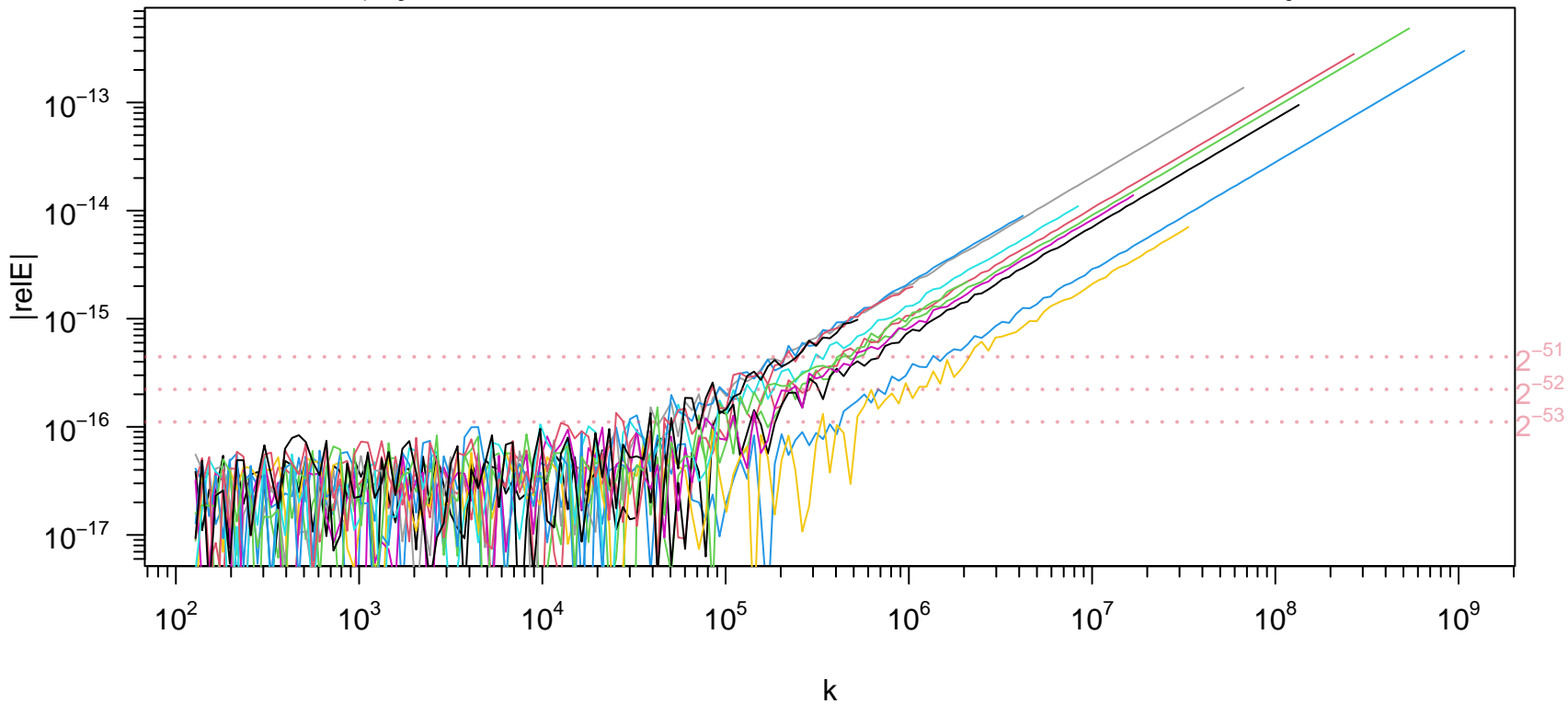
rel.Err of $(16383/16384)^k$

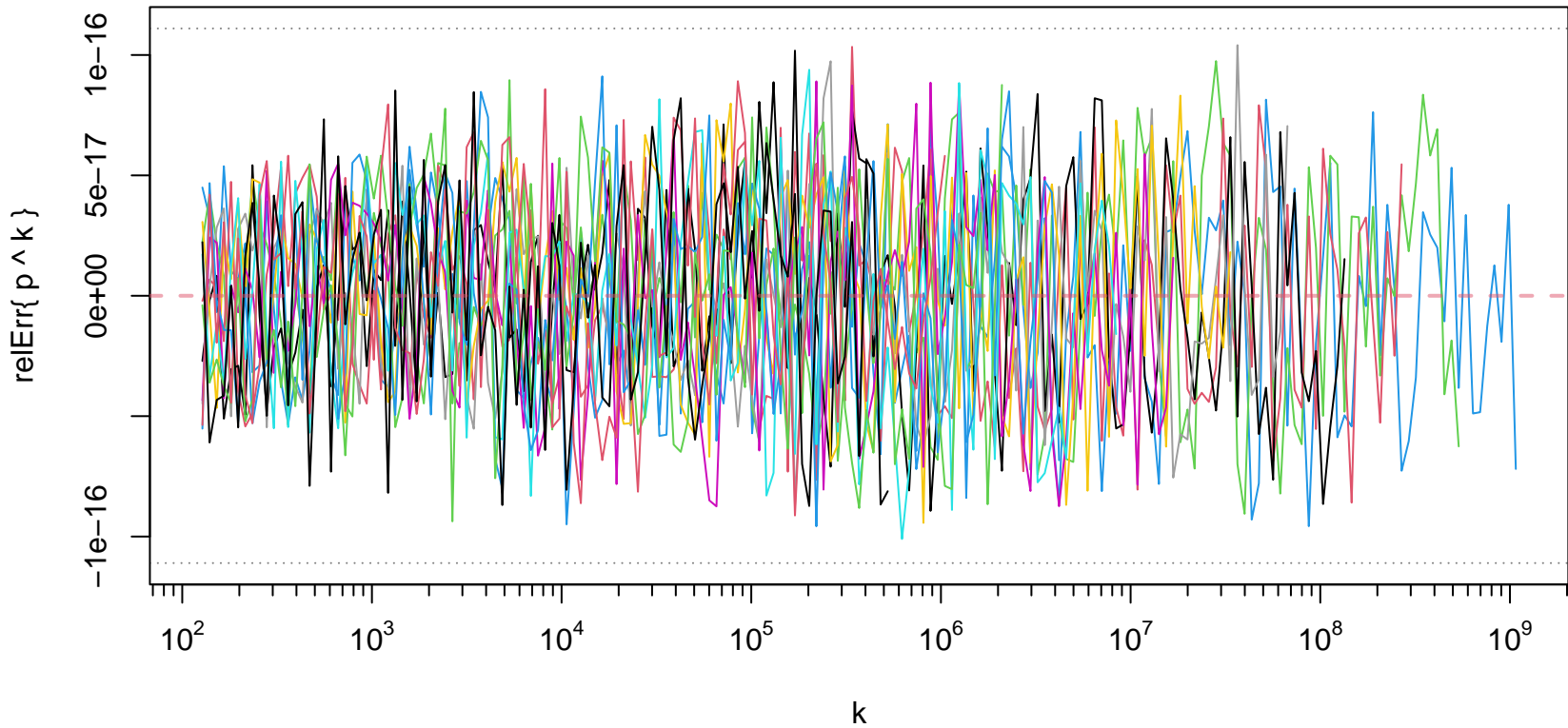




$|\text{rel.Err}(p^k)|$

$p = \{1-2^{-10}, 1-2^{-11}, 1-2^{-12}, 1-2^{-13}, 1-2^{-14}, 1-2^{-15}, 1-2^{-16}, 1-2^{-17}, 1-2^{-18}, 1-2^{-19}, 1-2^{-20}, 1-2^{-21}\}$





$|\text{rel.Err}(x^y)|$, y *not* integer

$x = \{1-2^{-10}, 1-2^{-11}, 1-2^{-12}, 1-2^{-13}, 1-2^{-14}, 1-2^{-15}, 1-2^{-16}, 1-2^{-17}, 1-2^{-18}, 1-2^{-19}, 1-2^{-20}, 1-2^{-21}\}$

