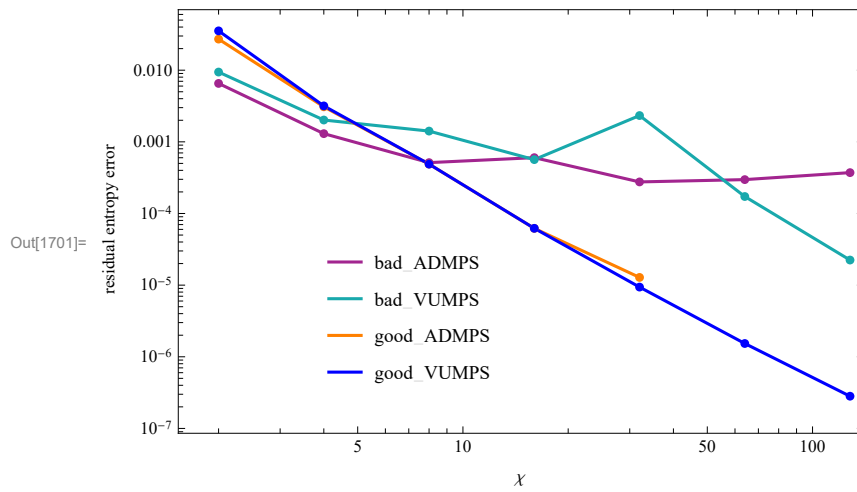


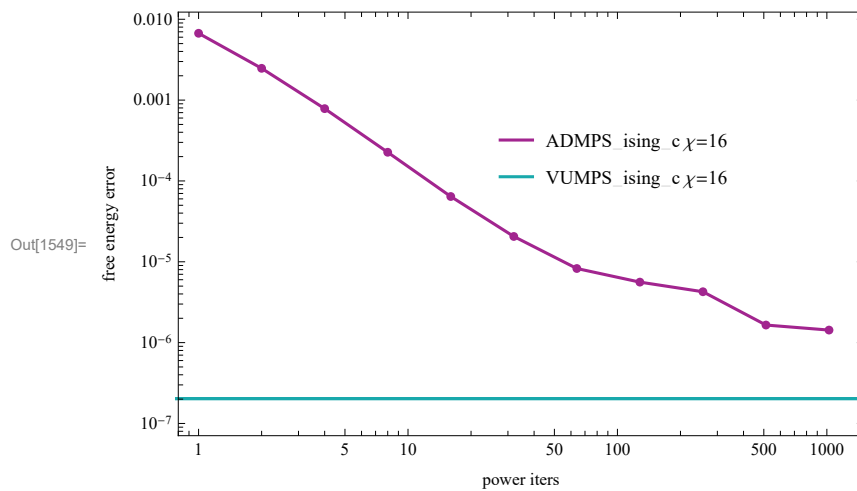
error- χ



error-power iters

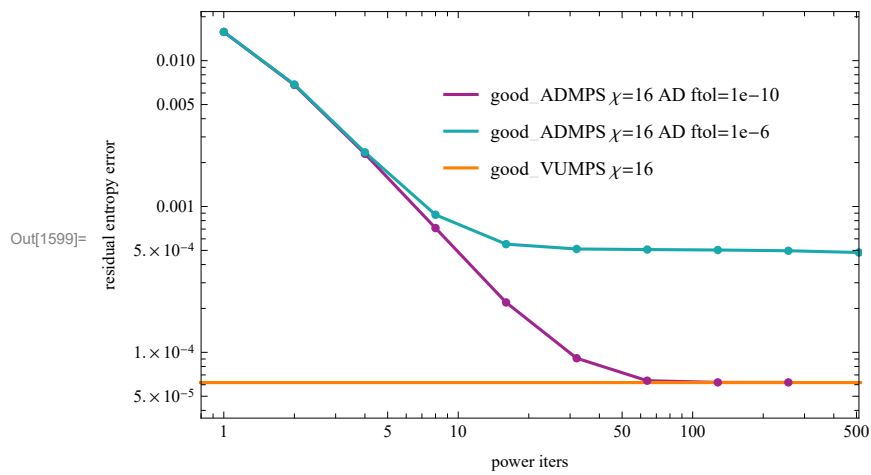
ising β_c

square ising free energy error v.s. power iters at $\beta_c = \frac{1}{2} \log(\sqrt{2} + 1)$



ftol

Triangle ising residual entropy error v.s. iters,
ftol is the AD optimization tolerance. Low tol means bad mps compression.



X

Good MPO power iters exponential increase with designate error,
which hints the good MPO is gapless.

