Relative error vs coefficient degree for the 64×64 Frank matrix. The matrix and target precisions are both `std::float64`. A single run of La Budde's method has relative errors of 10^{166} due to a condition number of $63! = 10^{89}$, but the characteristic polynomial was resolved at 1088 bits. Conjugations of the Frank matrix are not resolved at multiprecision because of ill conditioning (the amplification the matrix roundoff error for the constant coefficient is $63! = 10^{89}$.