

Relative error vs coefficient degree for the (not conjugated)  $64 \times 64$  Chow matrix,  $\alpha = 2$ ,  $\delta = 1$ . The matrix precision and target precision are the same. At float32\_t, the lowest precision has large relative errors due to amplification of the matrix round-off errors, but the characteristic polynomial is resolved at float64\_t and float128\_t.