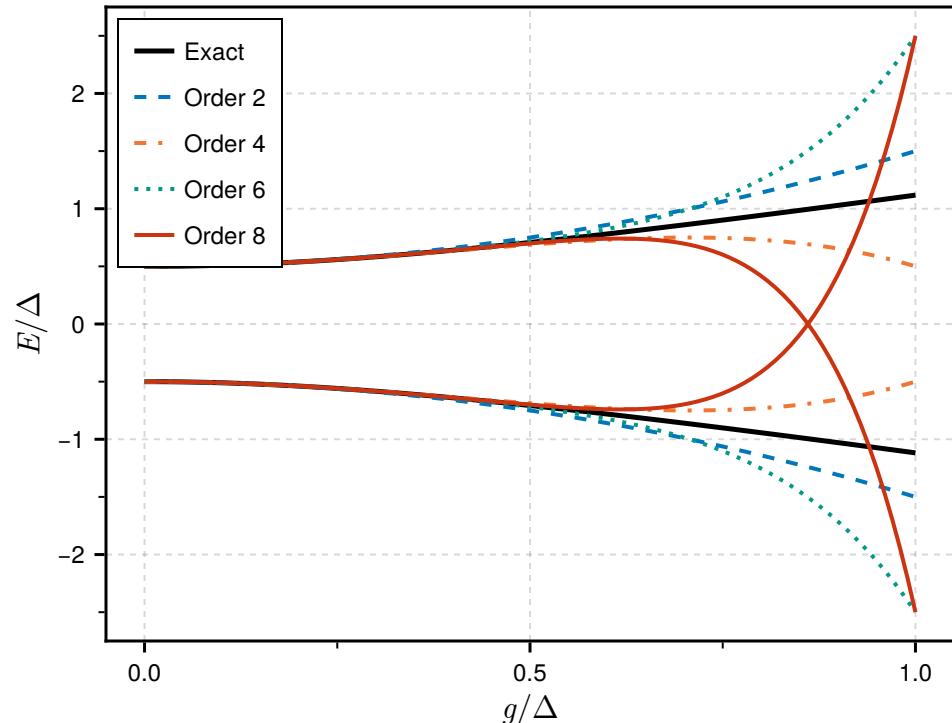
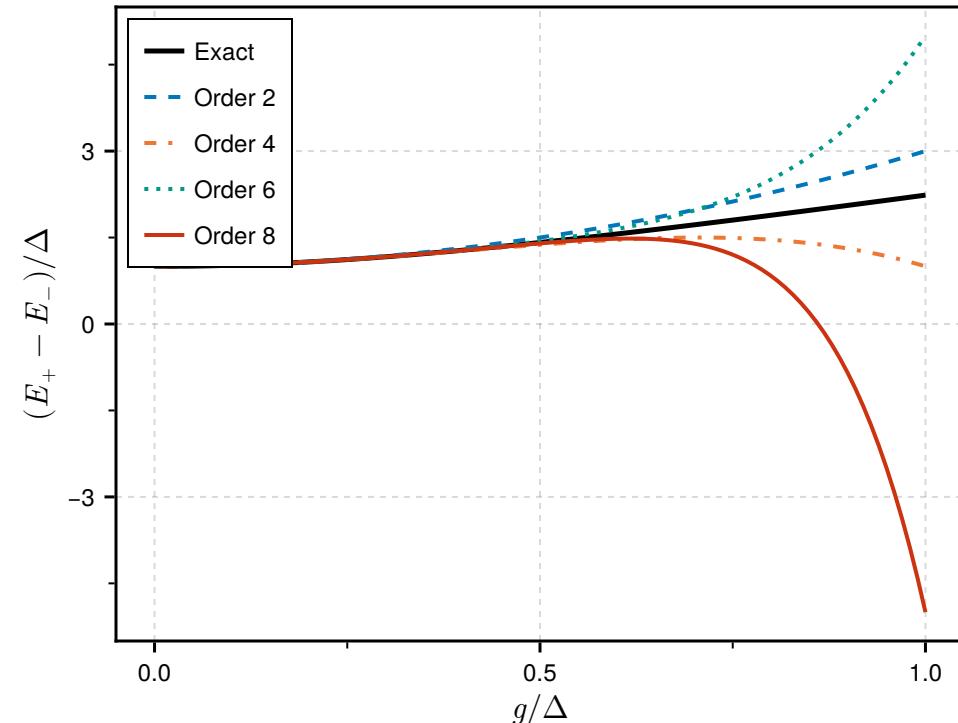


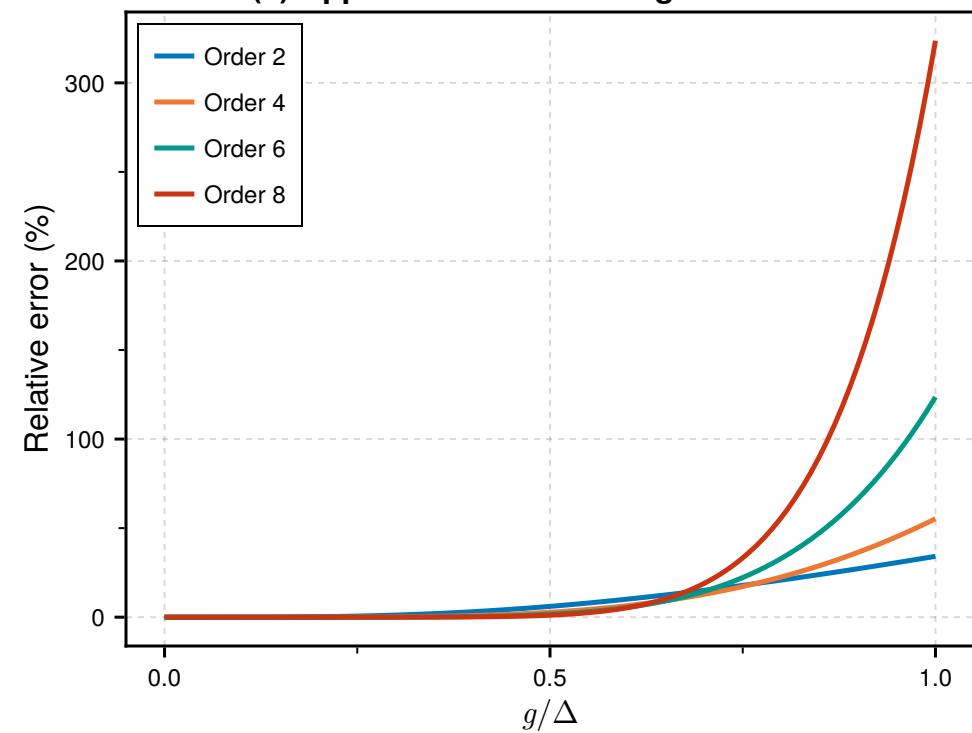
(a) Two-level system energy levels



(b) Energy gap



(c) Approximation error in ground state



(d) Jaynes-Cummings: dispersive shift and Kerr

