Figure R1: STA ramps of the interaction versus time for different ramp durations.
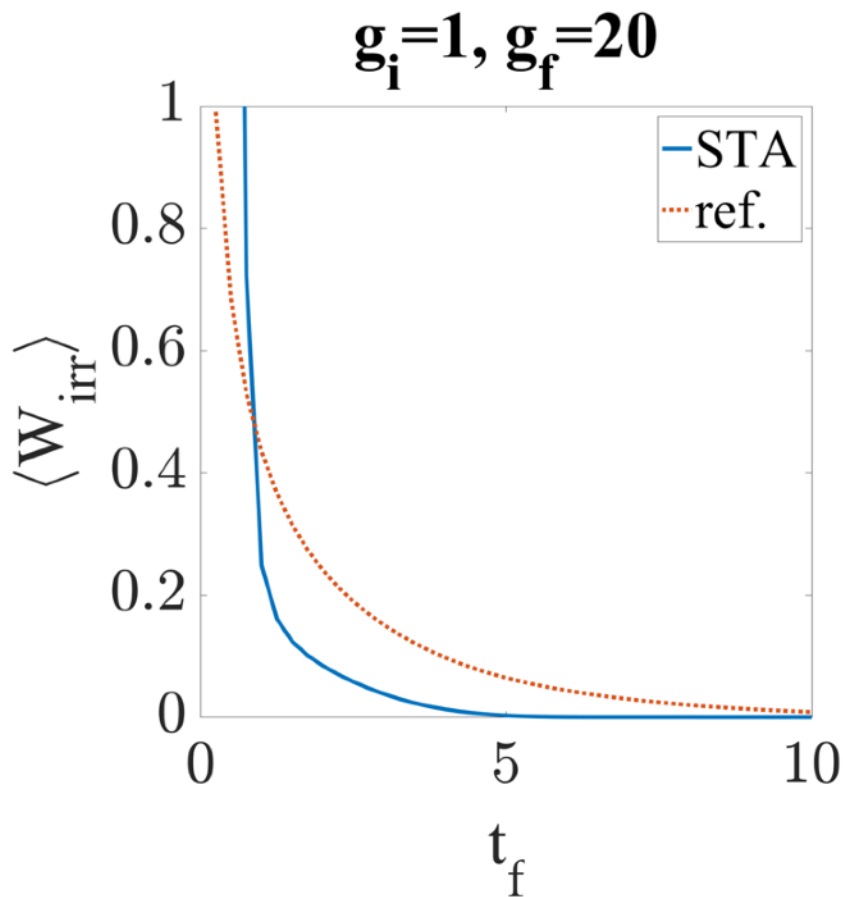
Figure R2: Irreversible work versus ramp times for starting from a finitely interacting initial state.
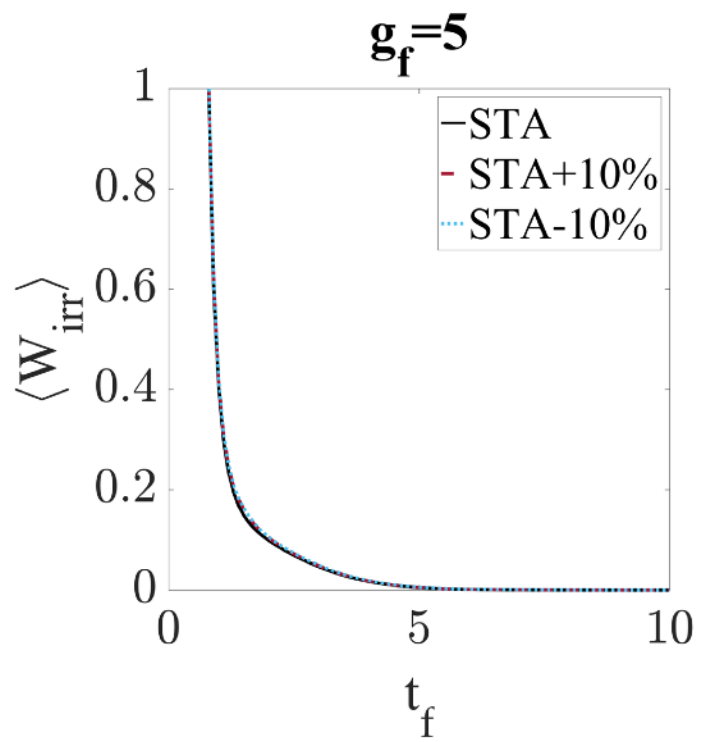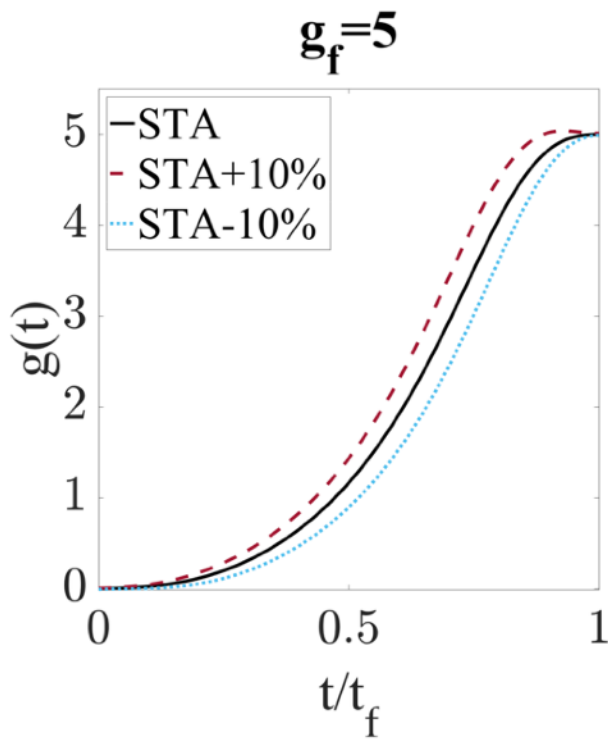
Figure R3: (a) STA ramp (solid line) and deviations from the STA (dashed and dotted lines) for gf=5. (b) Irreversible work versus ramp times.
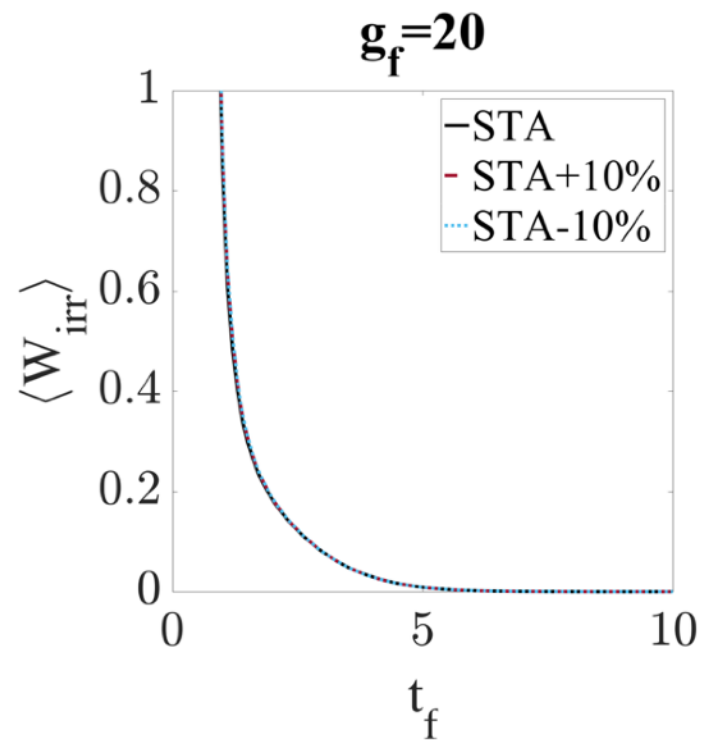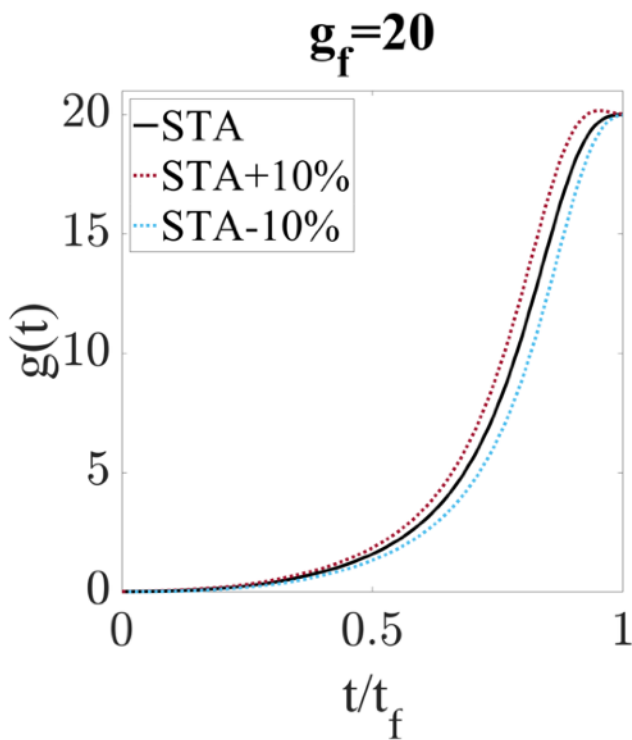
Figure R4: (a) STA ramp (solid line) and deviations from the STA (dashed and dotted lines) for gf=20. (b) Irreversible work versus ramp times.
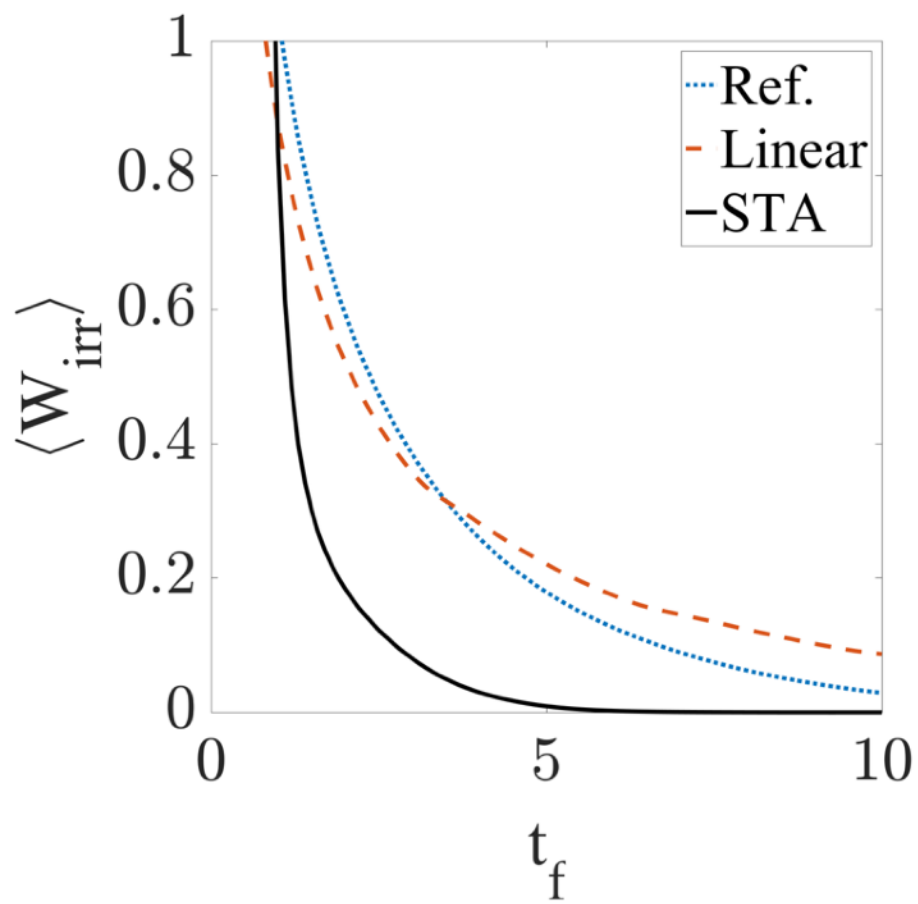
Figure R5: Irreversible work versus ramp times for the STA (solid line), reference ramp (dotted line) and linear ramp (dashed line) for gf=20.