









Figure 1: Energy profiles of the reaction coordinate. The figure shows five panels (A-E) of potential energy surfaces (S0, S1, S2) versus reaction coordinate. Panel A shows the wavefunction ψ_{DIR} (blue dashed line) and ψ_{CT} (red solid line). Panel B shows the wavefunction ψ_{DIR} (blue dashed line) and ψ_{CT} (red solid line). Panel C shows the wavefunction ψ_{DIR} (blue dashed line) and ψ_{CT} (red solid line). Panel D shows the wavefunction ψ_{DIR} (blue dashed line) and ψ_{CT} (red solid line). Panel E shows the wavefunction ψ_{DIR} (blue dashed line) and ψ_{CT} (red solid line).

Figure 2: Energy profiles of the reaction coordinate. The figure shows five panels (A-E) of potential energy surfaces (S0, S1, S2) versus reaction coordinate. Panel A shows the wavefunction ψ_{DIR} (blue dashed line) and ψ_{CT} (red solid line). Panel B shows the wavefunction ψ_{DIR} (blue dashed line) and ψ_{CT} (red solid line). Panel C shows the wavefunction ψ_{DIR} (blue dashed line) and ψ_{CT} (red solid line). Panel D shows the wavefunction ψ_{DIR} (blue dashed line) and ψ_{CT} (red solid line). Panel E shows the wavefunction ψ_{DIR} (blue dashed line) and ψ_{CT} (red solid line).

Figure 3: Energy profiles of the reaction coordinate. The figure shows five panels (A-E) of potential energy surfaces (S0, S1, S2) versus reaction coordinate. Panel A shows the wavefunction ψ_{DIR} (blue dashed line) and ψ_{CT} (red solid line). Panel B shows the wavefunction ψ_{DIR} (blue dashed line) and ψ_{CT} (red solid line). Panel C shows the wavefunction ψ_{DIR} (blue dashed line) and ψ_{CT} (red solid line). Panel D shows the wavefunction ψ_{DIR} (blue dashed line) and ψ_{CT} (red solid line). Panel E shows the wavefunction ψ_{DIR} (blue dashed line) and ψ_{CT} (red solid line).

