

Ambient Hamiltonian: [[ 1 0] [ 0 -1]]  
Control Hamiltonians:[array([[0, 1], [1, 0]]), array([[ 0.+0.j, -0.-1.j], [ 0.+1.j, 0.+0.j]]), array([[ 1, 0], [ 0, -1]])]  
Detunings: [0, 0.001, 0.001, 0.001]  
dt: 0.125663706144  
Probs: [ 0.34705097 0.11284269 0.23929045 0.19387268 0.10694321]  
Target Operator: [[0 1] [1 0]]  
Time: 131.798390865  
Controlset: [array([[ 0.70632236, -0.03809112, 0.10493314], [ 0.6301837 , 0.10233421, -0.05692384], [ 0.66152604, -0.00414579, -0.04961983],  
[ 0.78102239, -0.03262928, 0.06260574], [ 0.62191345, -0.02904465, 0.07335479], [ 0.56657404, 0.12354415, 0.10093015], [ 0.77627525, 0.0124107 , -0.07934662], [ 0.79614064, 0.00424334, 0.06049173], [ 0.59153794, -0.03937652, 0.10706888], [ 0.61565109, 0.10133653, 0.03363358],  
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