

Ambient Hamiltonian: [[[1. 0. 0.] [0. -1. 0. -0.] [0. 0. 1. 0.] [0 -0. 0. -1.]]
Control Hamiltonians:[array([[[0., 1., 0., 0.], [1., 0., 0., 0.], [0., 0., 0., 1.], [0., 0., 1., 0.]]), array([[[0., 0., 1., 0.], [0., 0., 0., 1.], [1., 0., 0., 0.], [0., 1., 0., 0.]]), array([[[0.+0.j, 0.-1.j, 0.+0.j, 0.-0.j], [0.+1.j, 0.+0.j, 0.+0.j, 0.+0.j], [0.+0.j, 0.-0.j, 0.+0.j, 0.-1.j], [0.+0.j, 0.+0.j, 0.+1.j, 0.+0.j]]), array([[[0.+0.j, 0.+0.j, 0.-1.j, 0.-0.j], [0.+0.j, 0.+0.j, 0.-0.j, 0.-1.j], [0.+1.j, 0.+0.j, 0.+0.j, 0.+0.j], [0.+0.j, 0.+1.j, 0.+0.j, 0.+0.j]]), array([[[1., 0., 0., 0.], [0., -1., 0., -0.], [0., 0., 1., 0.], [0., -0., 0., -1.]]), array([[[1., 0., 0., 0.], [0., 1., 0., 0.], [0., 0., -1., -0.], [0., 0., -0., -1.]]), array([[[0.+0.j, 0.+0.j, 0.+0.j, 0.+0.j], [0.+0.j, 0.+0.j, 2.+0.j, 0.+0.j], [0.+0.j, 2.+0.j, 0.+0.j, 0.+0.j], [0.+0.j, 0.+0.j, 0.+0.j, 0.+0.j]])]
Detunings: [0.001, 0.001, 0.001, 0.001, 0, 0, 0.001]
dt: 0.0418879020479
Probs: [0.00945813 0.00897403 0.00050818 0.00668179 0.01107418 0.01901298 0.00181475 0.00332608 0.01846679 0.01759702 0.01484136 0.01740069 0.0195149 0.00835517 0.01130258 0.00135572 0.00013628 0.00079573 0.00388259 0.00496009 0.00416314 0.01702708 0.01378156 0.01621964 0.01021343 0.00067371 0.00071069 0.01513842 0.0084981 0.00861157 0.00704696 0.01021266 0.00651613 0.0122808 0.0071962 0.00913706 0.00864818 0.00966623 0.0200192 0.00578813 0.00736856 0.0113295 0.00317047 0.01003203 0.01129315 0.01223508 0.01044495 0.00455903 0.01449156 0.00154499 0.00434855 0.01971053 0.00454548 0.01272945 0.00628907 0.01132157 0.01404457 0.00311738 0.01319574 0.02047928 0.0018214 0.00833587 0.01923271 0.0073183 0.01712943 0.01477379 0.00181632 0.01737611 0.01675944 0.02116466 0.02041144 0.00320987 0.01386644 0.00166642 0.0009529 0.0172918 0.00275824 0.00188921 0.00434047 0.00486009 0.01080726 0.01041287 0.01585036 0.02120467 0.01293377 0.00802378 0.01730231 0.01503398 0.00517661 0.01553305 0.01046887 0.01579354 0.0109569 0.01631651 0.01195526 0.0022284 0.00469832 0.00511485 0.01650852 0.00944638]
Target Operator: [[[1.+0.j 0.+0.j 0.+0.j 0.+0.j] [0.+0.j 0.+0.j -0.-1.j 0.+0.j] [0.+0.j -0.-1.j 0.+0.j 0.+0.j] [0.+0.j 0.+0.j 0.+0.j 1.+0.j]]
Time: 92254.6903317
Controlset: [array([[[0.02367431, -0.06519941, 0.08146236, ..., 0.08394149, -0.05278049, 0.05018491], [-0.02734422, -0.0422272 , 0.06023557, ..., 0.05751942, -0.01709488, 0.07109505], [0.04169258, -0.07434709, 0.06877862, ..., 0.09591508, -0.01245362, 0.04798813], ..., [0.04665544, -0.04263666, 0.0852028 , ..., -0.06829376, -0.0254372 , 0.19755892], [-0.04665881, -0.02070909, -0.0975194 , ..., 0.06562297, 0.02834316, 0.0463052], [0.00432756, -0.01239093, -0.03905557, ..., -0.09045361, 0.06797328, 0.08712881]]), array([[1.76888253e-02, 4.62617967e-02, 6.28502509e-02, ..., -8.31855604e-02, -5.87980460e-02, 3.55394684e-02], [7.69807653e-02, -9.76685741e-02, -6.84683962e-02, ..., -1.40927152e-02, -1.60987965e-02, 4.65985654e-02], [2.27151628e-02, 7.52385353e-02, 2.82027654e-03, ..., -6.47488677e-02, -8.98788186e-02, 6.42218638e-02], ..., [6.30004969e-02, 4.85347744e-02, 1.23290258e-03, ..., 5.59218525e-06, -8.81363289e-02, 1.76809848e-01], [-5.16911779e-02, 5.27333864e-02, 3.30250104e-02, ..., 5.56796844e-03, 2.40316770e-02, 1.24460212e-01], [3.25664007e-02, 9.89032488e-02, 7.41871559e-02, ..., -9.14960097e-03, -5.50950163e-02, 2.23368585e-01]]), array([[[0.03342933, 0.04740711, -0.05177621, ..., 0.02867761, 0.06197387, 0.20071524], [-0.10641974, -0.01122814, -0.0063691 , ..., 0.06371672, -0.08566008, 0.07288218], [-0.08697852, 0.01349065, -0.04517708, ..., -0.00707977, -0.09525503, 0.17670436], ..., [0.06280844, -0.03008568, -0.03625957, ..., 0.01889261, -0.0844133 , 0.16386973], [0.04926158, -0.09240228, -0.07426628, ..., -0.02579204, -0.05446582, 0.10480304], [-0.09407387, -0.08632432, 0.00424862, ..., -0.04115116, -0.01215675, 0.08609116]]), array([[[0.01365618, -0.04749922, -0.04848618, ..., 0.07279756, -0.08834124, 0.05218258], [-0.03055512, 0.05958829, 0.1097701 , ..., 0.02934082, -0.00365447, 0.12715923], [0.09802095, 0.05570663, -0.0516434 , ..., -0.00675636, 0.03933537, 0.10633763], ..., [0.01048381, -0.02423395, -0.04076695, ..., 0.04731542, -0.04798311, 0.10196538], [-0.01486244, 0.03824585, 0.0211105 , ..., -0.06194856, -0.02374497, 0.07599146], [-0.03617785, -0.08582768, 0.08587297, ..., -0.0599283 , -0.10076121, 0.11046718]]), array([[[-0.07276801, 0.01089194, 0.05036967, ..., -0.01536622, -0.05024625, 0.11690846], [-0.03952122, -0.00114651, 0.05124924, ..., -0.04168071, 0.01052515, 0.11325383], [0.08332343, 0.04985445, 0.03546947, ..., -0.07006189, -0.08442128, 0.1366013], ..., [0.02319177, -0.08830142, -0.02913079, ..., 0.01267529, 0.0801303 , 0.16300135], [0.04465488, -0.08787742, 0.03821303, ..., 0.06353601, -0.09780219, 0.18962361], [-0.06113343, 0.02549179, 0.07282741, ..., 0.04871955, 0.08939703, 0.07176001]]), array([[[0.00689579, -0.01781349, 0.07223295, ..., -0.03454326, 0.01255658, 0.106316], [-0.03042104, -0.09025421, 0.03430694, ..., -0.02291737, 0.05902989, 0.08219323], [0.02093041, 0.00250528, -0.07724894, ..., 0.08921776, 0.00275951, 0.06236674], ..., [-0.04169467, 0.06689963, -0.1000443 , ..., -0.0338062 , -0.01666356, 0.09039124], [0.02303029, 0.04525405, 0.06481128, ..., -0.02247167, 0.01921285, 0.10185931], [0.07631075, -0.05280019, -0.00126444, ..., 0.0420981 , -0.0062502 , 0.07035886]]), array([[[0.10790222, 0.01665155, 0.01247337, ..., -0.04254856, -0.06159448, 0.04782784], [0.1016699 , 0.10160061, -0.06498875, ..., 0.05883244, -0.05080464, 0.07974242], [0.05097697, -0.06986954, -0.09976097, ..., 0.00633913, -0.03826892, 0.11465686], ..., [-0.07853306, 0.07910592, -0.02202047, ..., 0.03344742, 0.05272004, 0.15568078], [0.04421136, -0.01201124, 0.09152069, ..., 0.04384955, -0.04133322, 0.228985], [-0.02974666, 0.00677661, 0.03216047, ..., -0.07257373, 0.00930023, 0.06695519]]), array([[[-0.05670582, -0.00175762, -0.01257822, ..., -0.05914077, -0.04135702, 0.18773625], [0.08525503, -0.06886092, 0.0380966 , ..., 0.01933462, -0.10930845, 0.19731606], [0.03101251, 0.04600466, 0.09514766, ..., 0.0316766 , -0.11191255, 0.13813132], ..., [-0.04009868, 0.02522156, -0.0203599 , ..., 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