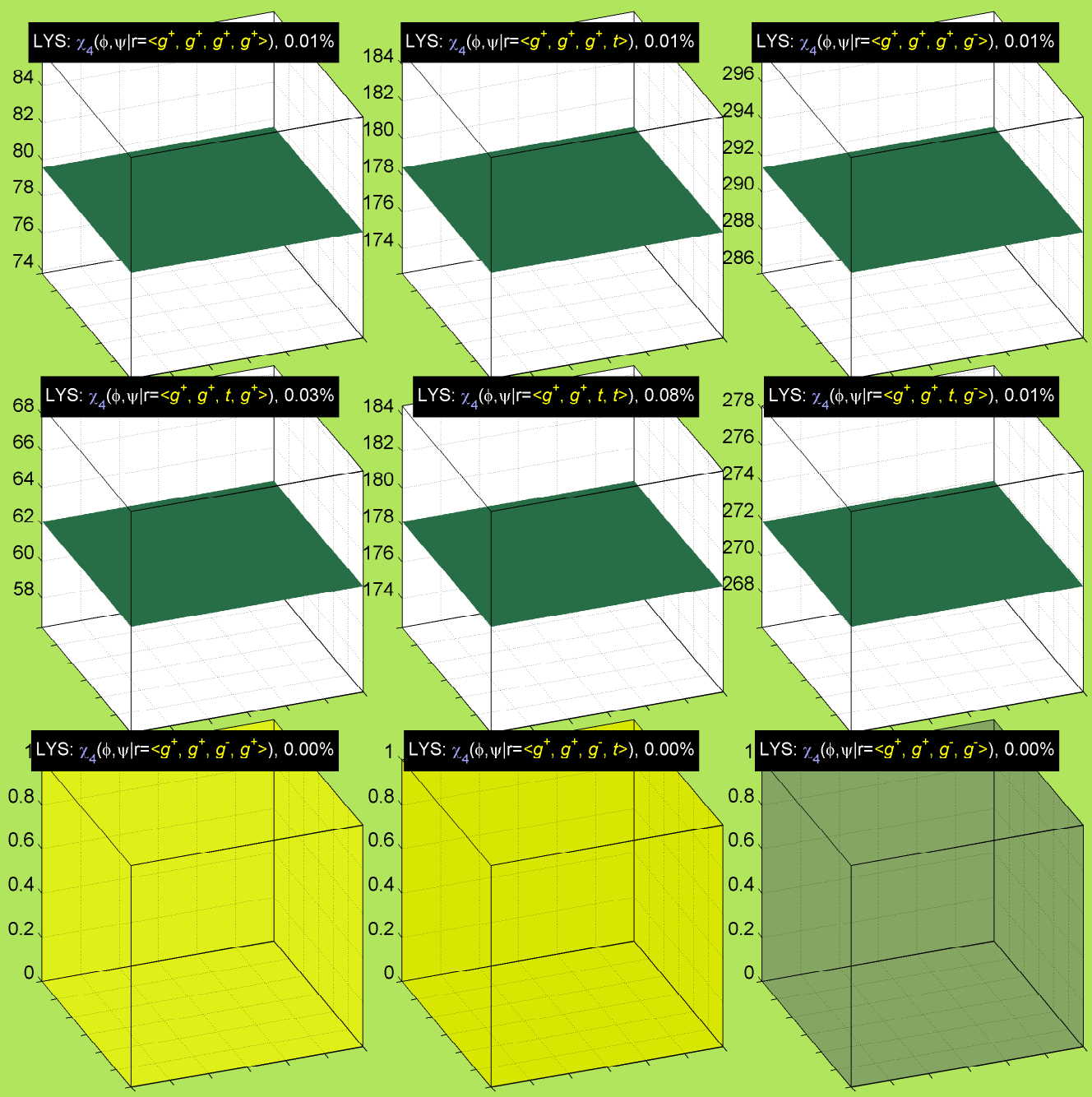
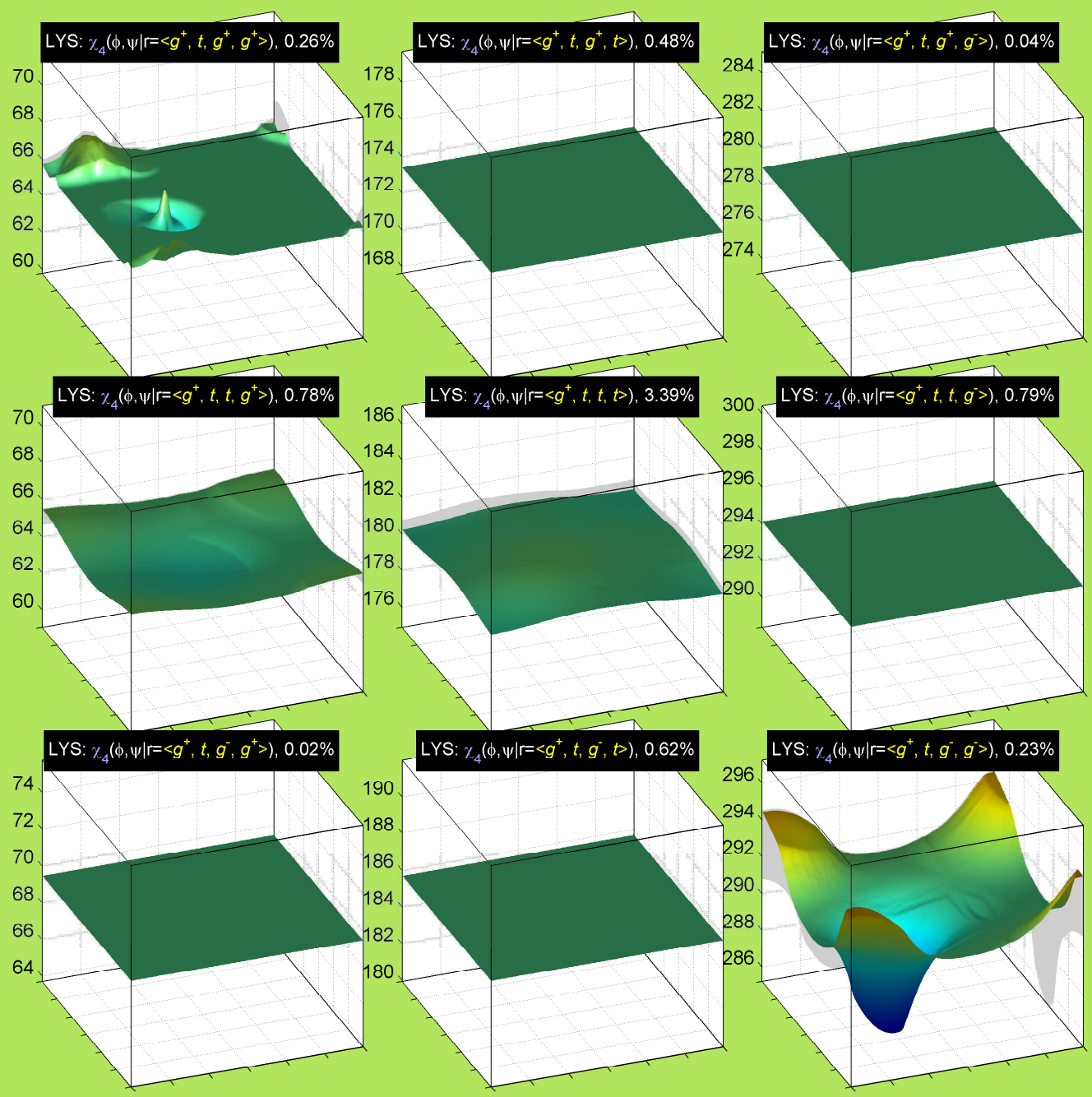
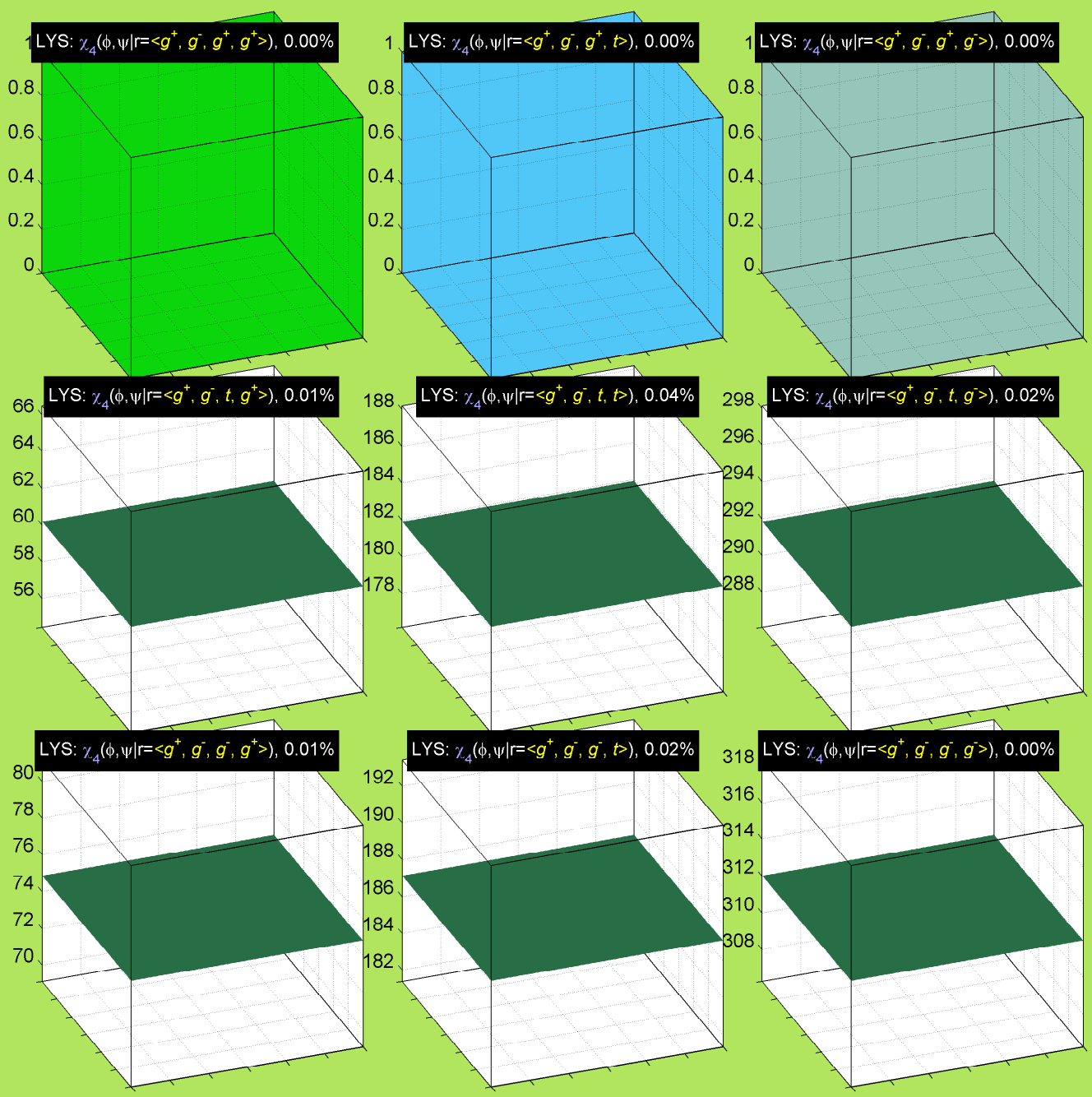
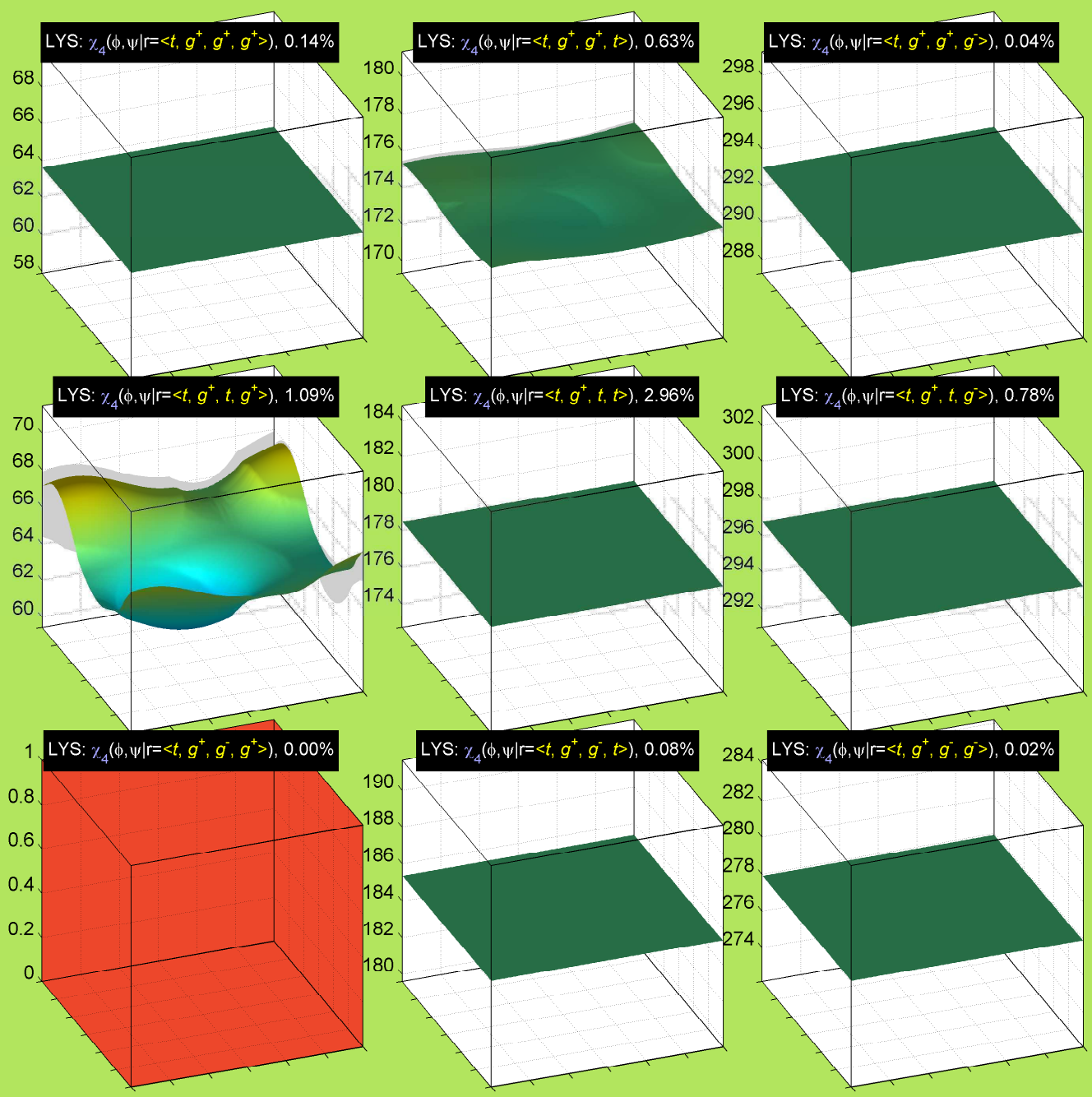
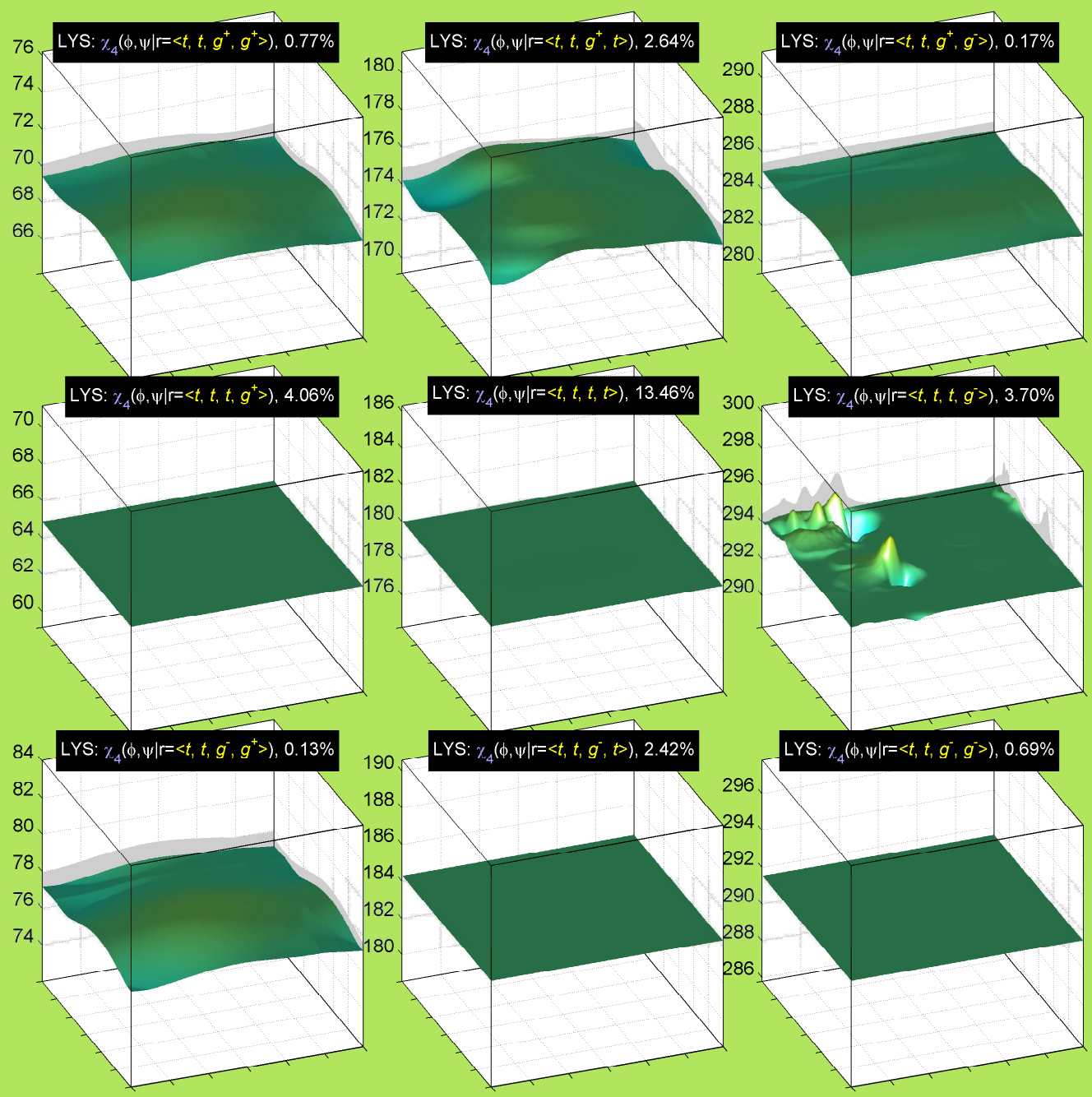
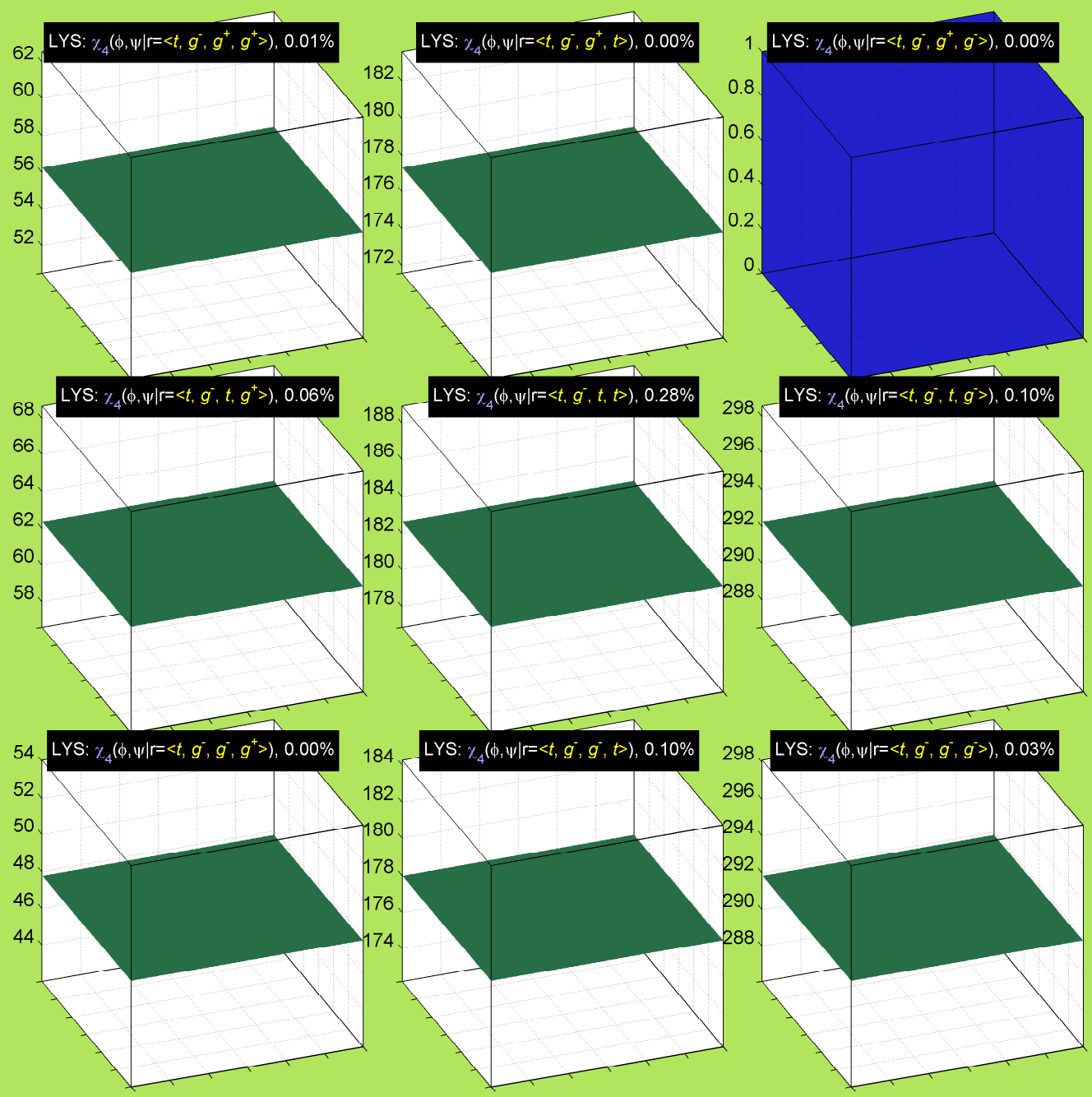

LYS: $\chi_4(\phi,\psi|r=\langle g^+, g^+, g^+, g^+\rangle)$, 0.01%
LYS: $\chi_4(\phi,\psi|r=\langle g^+, g^+, g^+, t\rangle)$, 0.01%
LYS: $\chi_4(\phi,\psi|r=\langle g^+, g^+, g^+, g^-\rangle)$, 0.01%
LYS: $\chi_4(\phi,\psi|r=\langle g^+, g^+, t, g^+\rangle)$, 0.03%
LYS: $\chi_4(\phi,\psi|r=\langle g^+, g^+, t, t\rangle)$, 0.08%
LYS: $\chi_4(\phi,\psi|r=\langle g^+, g^+, t, g^-\rangle)$, 0.01%
LYS: $\chi_4(\phi,\psi|r=\langle g^+, g^+, g^-, g^+\rangle)$, 0.00%
LYS: $\chi_4(\phi,\psi|r=\langle g^+, g^+, g^-, t\rangle)$, 0.00%
LYS: $\chi_4(\phi,\psi|r=\langle g^+, g^+, g^-, g^-\rangle)$, 0.00%

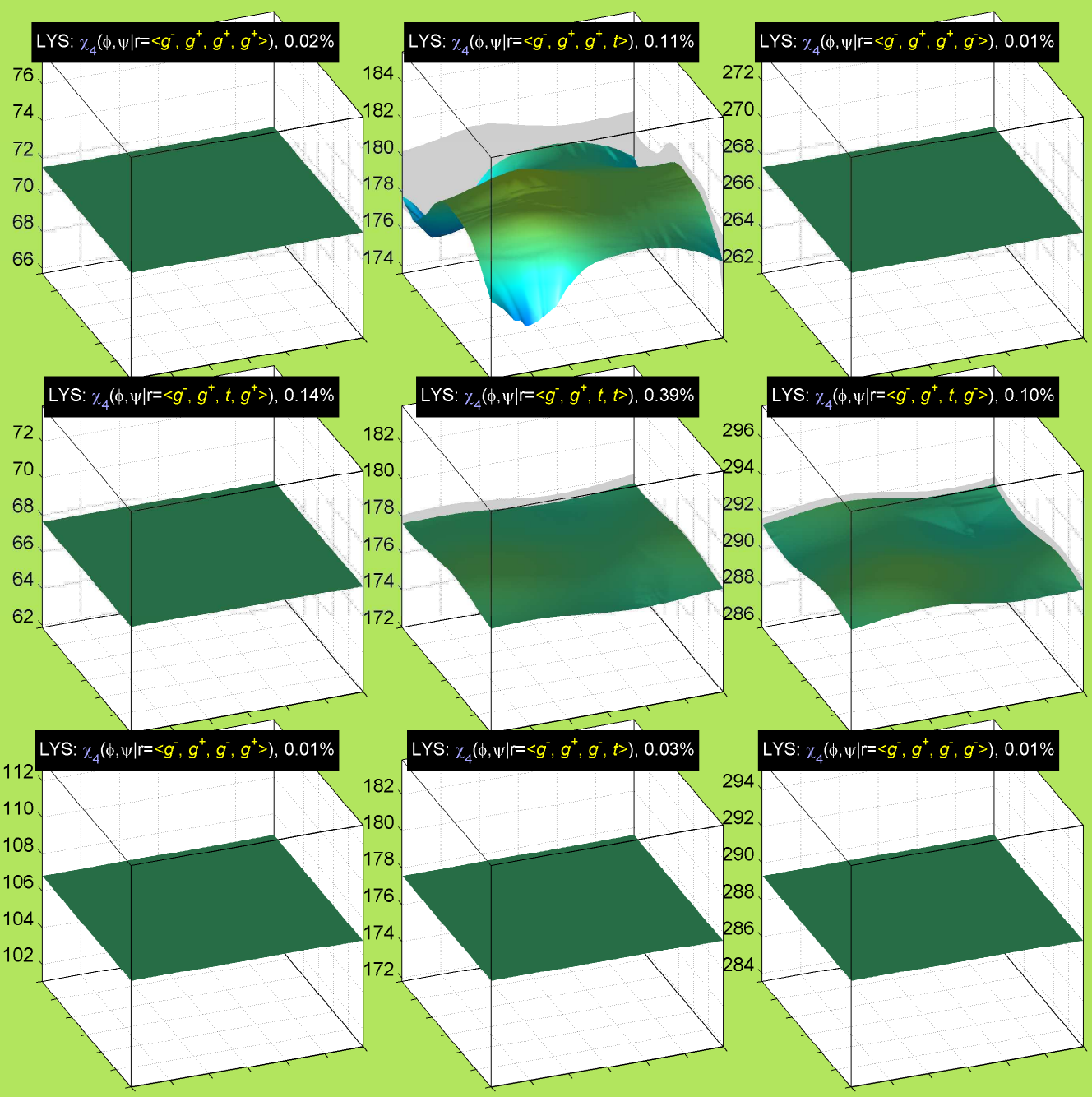

LYS: $\chi_4(\phi,\psi|r=\langle g^+, t, g^+, g^+\rangle)$, 0.26%
LYS: $\chi_4(\phi,\psi|r=\langle g^+, t, g^+, t\rangle)$, 0.48%
LYS: $\chi_4(\phi,\psi|r=\langle g^+, t, g^+, g^-\rangle)$, 0.04%
LYS: $\chi_4(\phi,\psi|r=\langle g^+, t, t, g^+\rangle)$, 0.78%
LYS: $\chi_4(\phi,\psi|r=\langle g^+, t, t, t\rangle)$, 3.39%
LYS: $\chi_4(\phi,\psi|r=\langle g^+, t, t, g^-\rangle)$, 0.79%
LYS: $\chi_4(\phi,\psi|r=\langle g^+, t, g^-, g^+\rangle)$, 0.02%
LYS: $\chi_4(\phi,\psi|r=\langle g^+, t, g^-, t\rangle)$, 0.62%
LYS: $\chi_4(\phi,\psi|r=\langle g^+, t, g^-, g^-\rangle)$, 0.23%

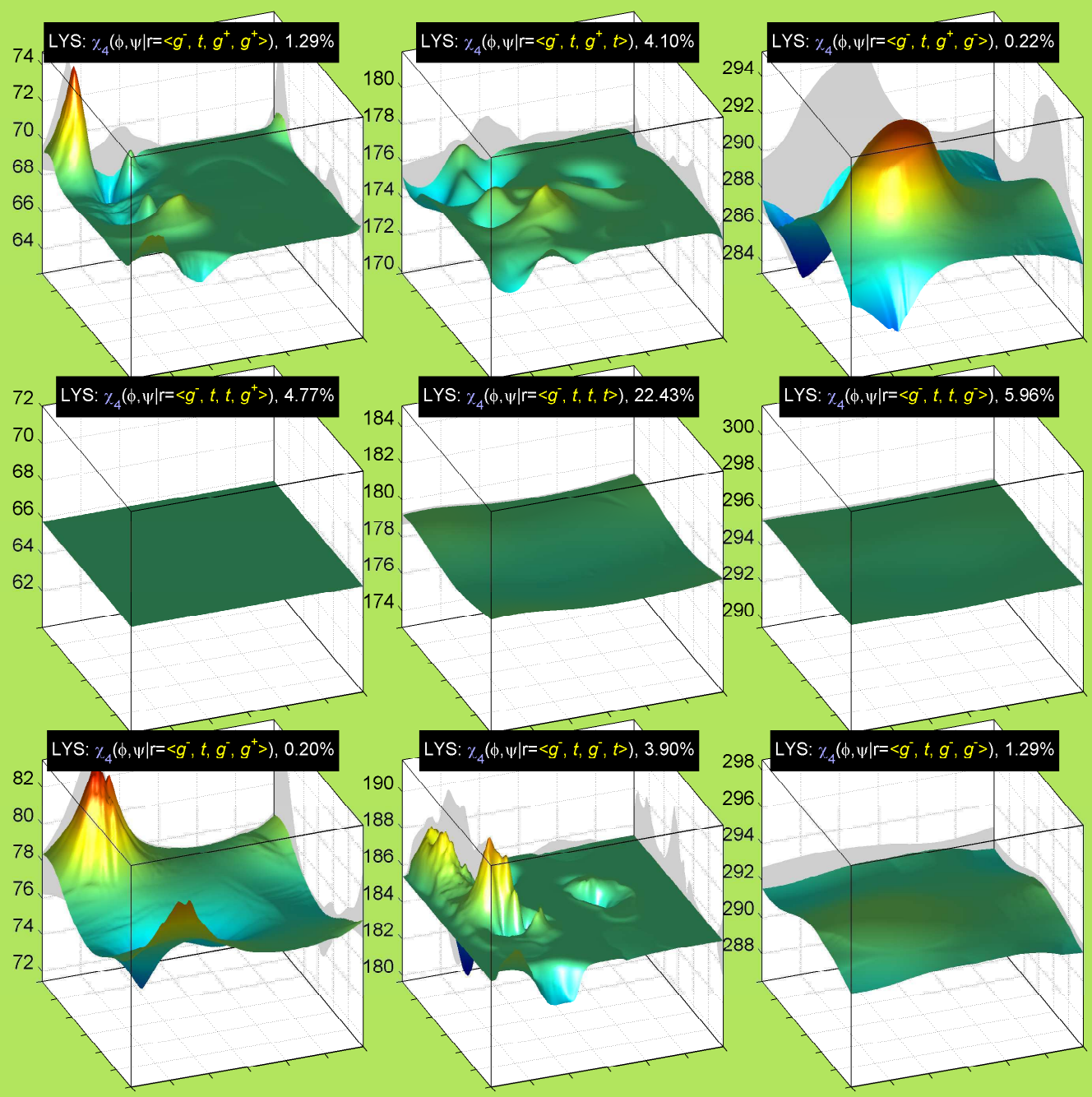

LYS: $\chi_4(\phi,\psi|r=\langle g^+, g^-, g^+, g^+\rangle)$, 0.00%
LYS: $\chi_4(\phi,\psi|r=\langle g^+, g^-, g^+, t\rangle)$, 0.00%
LYS: $\chi_4(\phi,\psi|r=\langle g^+, g^-, g^+, g^-\rangle)$, 0.00%
LYS: $\chi_4(\phi,\psi|r=\langle g^+, g^-, t, g^+\rangle)$, 0.01%
LYS: $\chi_4(\phi,\psi|r=\langle g^+, g^-, t, t\rangle)$, 0.04%
LYS: $\chi_4(\phi,\psi|r=\langle g^+, g^-, t, g^-\rangle)$, 0.02%
LYS: $\chi_4(\phi,\psi|r=\langle g^+, g^-, g^-, g^+\rangle)$, 0.01%
LYS: $\chi_4(\phi,\psi|r=\langle g^+, g^-, g^-, t\rangle)$, 0.02%
LYS: $\chi_4(\phi,\psi|r=\langle g^+, g^-, g^-, g^-\rangle)$, 0.00%

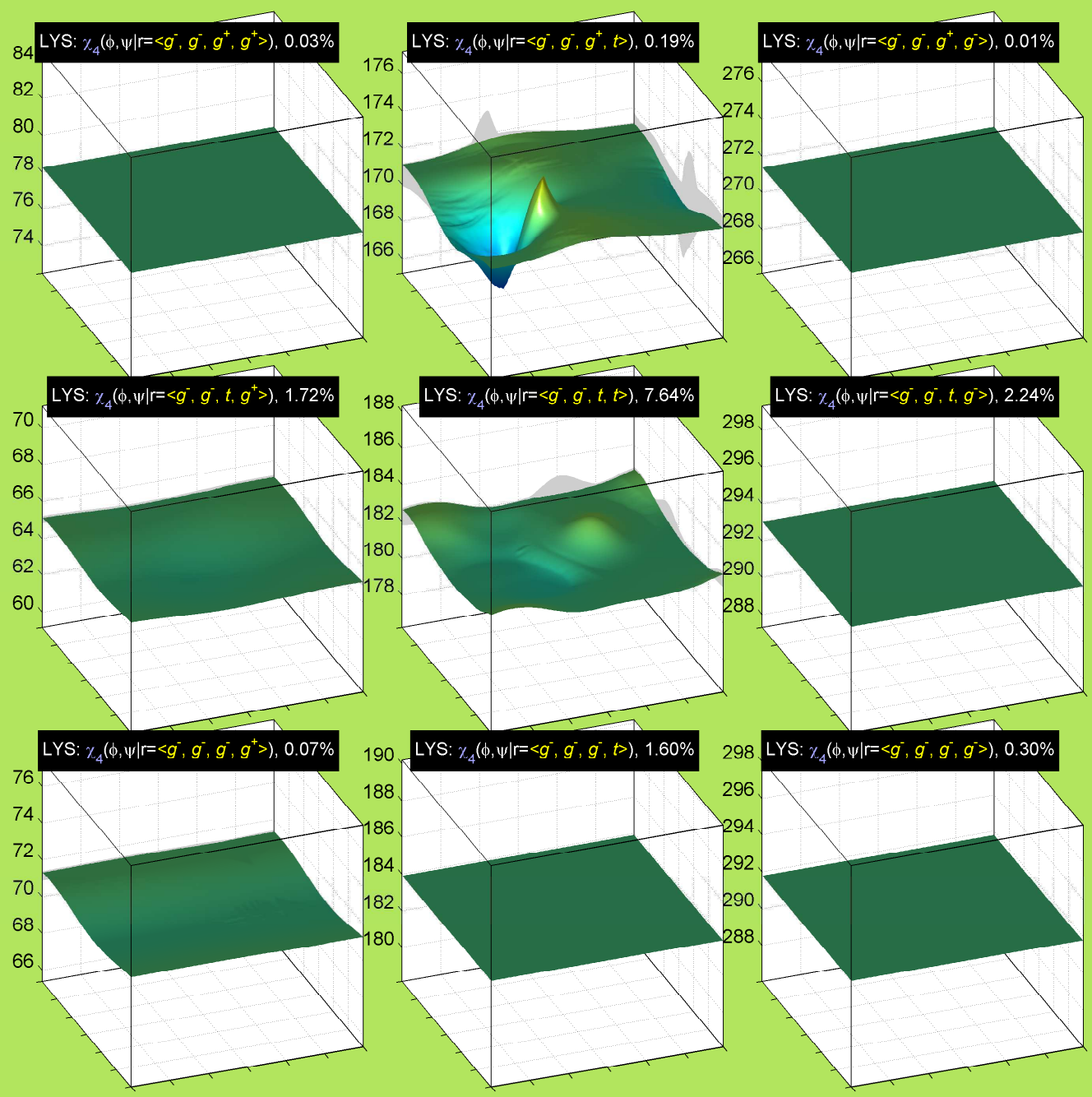

LYS: $\chi_4(\phi,\psi|r=<t, g^+, g^+, g^+>)$, 0.14%
LYS: $\chi_4(\phi,\psi|r=<t, g^+, g^+, t>)$, 0.63%
LYS: $\chi_4(\phi,\psi|r=<t, g^+, g^+, g^->)$, 0.04%
LYS: $\chi_4(\phi,\psi|r=<t, g^+, t, g^+>)$, 1.09%
LYS: $\chi_4(\phi,\psi|r=<t, g^+, t, t>)$, 2.96%
LYS: $\chi_4(\phi,\psi|r=<t, g^+, t, g^->)$, 0.78%
LYS: $\chi_4(\phi,\psi|r=<t, g^+, g^-, g^+>)$, 0.00%
LYS: $\chi_4(\phi,\psi|r=<t, g^+, g^-, t>)$, 0.08%
LYS: $\chi_4(\phi,\psi|r=<t, g^+, g^-, g^->)$, 0.02%


LYS: $\chi_4(\phi,\psi|r=<t, t, g^+, g^+>)$, 0.77%
LYS: $\chi_4(\phi,\psi|r=<t, t, g^+, t>)$, 2.64%
LYS: $\chi_4(\phi,\psi|r=<t, t, g^+, g^->)$, 0.17%
LYS: $\chi_4(\phi,\psi|r=<t, t, t, g^+>)$, 4.06%
LYS: $\chi_4(\phi,\psi|r=<t, t, t, t>)$, 13.46%
LYS: $\chi_4(\phi,\psi|r=<t, t, t, g^->)$, 3.70%
LYS: $\chi_4(\phi,\psi|r=<t, t, g^-, g^+>)$, 0.13%
LYS: $\chi_4(\phi,\psi|r=<t, t, g^-, t>)$, 2.42%
LYS: $\chi_4(\phi,\psi|r=<t, t, g^-, g^->)$, 0.69%


LYS: $\chi_4(\phi,\psi|r=\langle t, g^-, g^+, g^+\rangle)$, 0.01%
LYS: $\chi_4(\phi,\psi|r=\langle t, g^-, g^+, t\rangle)$, 0.00%
LYS: $\chi_4(\phi,\psi|r=\langle t, g^-, g^+, g^-\rangle)$, 0.00%
LYS: $\chi_4(\phi,\psi|r=\langle t, g^-, t, g^+\rangle)$, 0.06%
LYS: $\chi_4(\phi,\psi|r=\langle t, g^-, t, t\rangle)$, 0.28%
LYS: $\chi_4(\phi,\psi|r=\langle t, g^-, t, g^-\rangle)$, 0.10%
LYS: $\chi_4(\phi,\psi|r=\langle t, g^-, g^-, g^+\rangle)$, 0.00%
LYS: $\chi_4(\phi,\psi|r=\langle t, g^-, g^-, t\rangle)$, 0.10%
LYS: $\chi_4(\phi,\psi|r=\langle t, g^-, g^-, g^-\rangle)$, 0.03%


LYS: $\chi_4(\phi,\psi|r=\langle g^-, g^+, g^+, g^+\rangle)$, 0.02%
LYS: $\chi_4(\phi,\psi|r=\langle g^-, g^+, g^+, t\rangle)$, 0.11%
LYS: $\chi_4(\phi,\psi|r=\langle g^-, g^+, g^+, g^-\rangle)$, 0.01%
LYS: $\chi_4(\phi,\psi|r=\langle g^-, g^+, t, g^+\rangle)$, 0.14%
LYS: $\chi_4(\phi,\psi|r=\langle g^-, g^+, t, t\rangle)$, 0.39%
LYS: $\chi_4(\phi,\psi|r=\langle g^-, g^+, t, g^-\rangle)$, 0.10%
LYS: $\chi_4(\phi,\psi|r=\langle g^-, g^+, g^-, g^+\rangle)$, 0.01%
LYS: $\chi_4(\phi,\psi|r=\langle g^-, g^+, g^-, t\rangle)$, 0.03%
LYS: $\chi_4(\phi,\psi|r=\langle g^-, g^+, g^-, g^-\rangle)$, 0.01%


LYS: χ4(ϕ,ψ|r=<g-, t, g+, g+>), 1.29%
LYS: χ4(ϕ,ψ|r=<g-, t, g+, t>), 4.10%
LYS: χ4(ϕ,ψ|r=<g-, t, g+, g->), 0.22%
LYS: χ4(ϕ,ψ|r=<g-, t, t, g+>), 4.77%
LYS: χ4(ϕ,ψ|r=<g-, t, t, t>), 22.43%
LYS: χ4(ϕ,ψ|r=<g-, t, t, g->), 5.96%
LYS: χ4(ϕ,ψ|r=<g-, t, g-, g+>), 0.20%
LYS: χ4(ϕ,ψ|r=<g-, t, g-, t>), 3.90%
LYS: χ4(ϕ,ψ|r=<g-, t, g-, g->), 1.29%


LYS: $\chi_4(\phi,\psi|r=\langle g^-, g^-, g^+, g^+\rangle)$, 0.03%
LYS: $\chi_4(\phi,\psi|r=\langle g^-, g^-, g^+, t\rangle)$, 0.19%
LYS: $\chi_4(\phi,\psi|r=\langle g^-, g^-, g^+, g^-\rangle)$, 0.01%
LYS: $\chi_4(\phi,\psi|r=\langle g^-, g^-, t, g^+\rangle)$, 1.72%
LYS: $\chi_4(\phi,\psi|r=\langle g^-, g^-, t, t\rangle)$, 7.64%
LYS: $\chi_4(\phi,\psi|r=\langle g^-, g^-, t, g^-\rangle)$, 2.24%
LYS: $\chi_4(\phi,\psi|r=\langle g^-, g^-, g^-, g^+\rangle)$, 0.07%
LYS: $\chi_4(\phi,\psi|r=\langle g^-, g^-, g^-, t\rangle)$, 1.60%
LYS: $\chi_4(\phi,\psi|r=\langle g^-, g^-, g^-, g^-\rangle)$, 0.30%