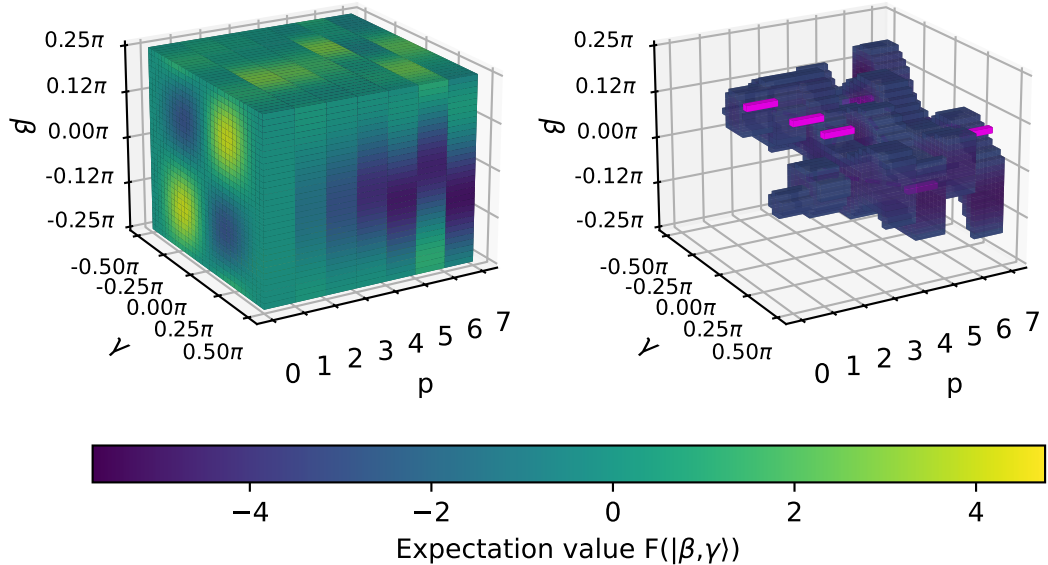Expectation Values for QAOA with increasing p for a 12 qubit problem instance, parameters optimized using the COBYLA method

Best β: [-0.6011467327004114, -0.5310710581048083, -0.3895948051327896, 0.2616813187534501, 0.08183027490573888, -0.1631286154227414, -0.2786896708829655] ${\bf{}}$ $\: \gamma\}\}$$: [0.3885872448833237, 0.7661654928901623, 0.758273531021658, -0.4497321175989, 1.3070239759889104, -1.063482505953638, 1.266771231286207]