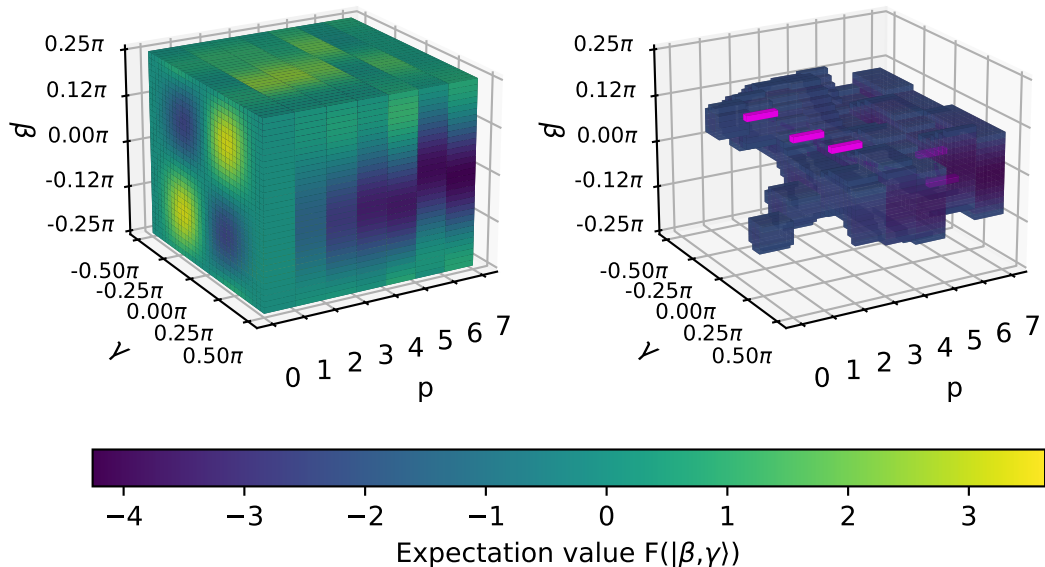


# Expectation Values for QAOA with increasing p for a 10 qubit problem instance, parameters optimized using the COBYLA method



**Best  $\beta$ :** [-0.5668430586683681, -0.4292734510893213, -0.3116088340817792, -0.017132697410442373, 0.22440743237310612, 0.09105855741599725, 0.0760062738771724]  $\{\backslash \gamma\}$ : [0.3519058905365574, 0.766819550404101, 0.9313824539491509, -0.833504304082, -1.1872894897266129, 1.098382392293708, 0.1520125477543448]