

Table 1: Comparison of PD techniques for octane. The number of qubits required was estimated based on the second quantization picture of the molecular Hamiltonian with the 6-31G basis set.

	FMO	DC	DMET
Ratio	60/216	212/216	46/216
MAD	1.5	0.0028	0.075
ρ_P	-0.57	0.97	0.96
ρ_S	-0.28	0.97	0.86