

Applications to dimers of two equal rare-gas atoms: He, Ne and Ar

- * The potentials are extremely repulsive at short range
- * The dimer of $^4\text{He}_2$ has been observed. It is the largest monoatomic dimer.

	He (mK)	Ne (K)	Ar (K)
E_0	-1.3020	-24.442	-121.857
E_1		-4.528	-84.923
E_2		-0.0327	-55.479
E_3			-33.157
E_4			-17.429
E_5			-7.5579
E_6			-2.3509
E_7			-0.3409
E_8			-1.9×10^{-4}
	LM2M2	HFD-B	HFD-C