



























		ST2	SPC/E	TID/D	CC
r	[nm]	0.100	0.100	0.095.72	0.095.72
OH /HOH	[0]	109 47	109.47	104 52	104 52
σ	[nm]	0.310	0 316 6	0 315 4	N/A
e ×10 ⁻²¹	[11]	0.526.05	1 079 7	1 077 2	N/A
r	[nm]	0.08	0	0.015	0.024 994
	[C]	0.235 7 e	0.423 8 e	0.52 e	0.185 59 6
ип Дм	[C]	-0.235 7 e	-0.847 6 e	-1.04 e	-0.371 18 6
Charge of	electron	e = 1.60219×10	r ¹⁹ C		









	Tersoff (Si)	Tersoff (C)	Brenner (C)
$D_{\rm e} [{\rm eV}]$	2.6660	5.1644	6.325
R _e [nm]	0.2295	0.1447	0.1315
S	1.4316	1.5769	1.29
β [nm ⁻¹]	14.656	19.640	1.5
Α	1.1000×10^{-6}	1.5724×10 ⁻⁷	1.1304×10 ⁻²
Ν	7.8734×10 ⁻¹	7.2751×10 ⁻¹	1
δ	1/(2 <i>n</i>)	1/(2n)	0.80469
С	1.0039×105	3.8049×104	19
D	1.6217×101	4.384	2.5
Н	-5.9825×10 ⁻¹	-5.7058×10 ⁻¹	-1
<i>R</i> [nm]	0.285	0.195	0.185
D [nm]	0.015	0.015	0.015
otentia	al for Cove	alant Svet	



















Andersen (1980)

Change Box Size as if Piston is Connected

Parrinello and Rahman (1980, 1981)

Extension of Anderson: Change Shape of Box

Berendsen et al. (1984) $dP/dt = (P_c - P)/t_p$

 $r' = \chi^{1/3} r$ $\chi = 1 - \beta_T \frac{\Delta t}{t_p} (P_c - P)$

Pressure & Stress Control