

constants from R. C. Weast, CRC Handbook of Chemistry and Physics, 58 th Edition, CRC Press, West Palm Beach, Florida, (1977-78), pp. F242-F243							
pi	nu 0	e	h bar	m sub e	a0	c	mp
3.1415927E+00	1.2566371E-06	1.6021892E-19	1.0545888E-34	9.1095345E-31	5.2917706E-11	2.9979246E+08	1.6726486E-27
	epsilon 0				aH		
	8.85E-12				5.29465E-11		
a (Eq. (12.255)) (m)	b (Eq. (12.257)) (m)	c' (Eq. (12.256)) (m)	2c' (Eq. 12.256)) (m)				
1.0589305E-10	9.17061E-11	5.29465E-11	1.05893E-10				
	Ve (Eq. (12.262)) (eV)	Vp (Eq. (12.263)) (eV)	T (Eq. (12.264)) (eV)	Vm	Et (1st term Eq. (12.267)) (eV)		
	-59.75746879	13.59839804	29.87873439	0	-16.28033635		
Evib (0) (Eq. 12.275)) (eV)	w (Eq. (12.185))	EK (Eq. (12.186)) (eV)					
0.292817695	2.06538E+16	13.59469734					
	EDoppler (Eq. (12.187)) (eV)	Eocs (Eq. (12.189) and Eq. (12.265)) (eV)					
	-0.118754822	0.027654025					
		ET (Eq. (12.267)) (eV)	ED (Eq. (12.198)) (eV)				
		-16.25268233	2.654284281				
				E H (Eq. (1.233) and Eq. (1.229)) (eV)			
				13.59839804			
				ED (Eq. (12.198) and Eq. (12.269)) (eV)			
				2.653754822			