

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	uB			aH		md
	8.85E-12	9.27E-24			5.29465E-11		3.3435860E-27
					aD		
			Exp. 0.971 Å		5.29321E-11		
a (m)	b (m)	c' (m)	2c' (m)	eccentricity			
6.69039E-11	4.59985E-11	4.85826E-11	9.71651E-11	0.72615			
1.26430000	0.86924555	0.91807770	1.83615540				
1							
0.75							
0.666666667							
	Ve (eV)	Vp (eV)	T (eV)	Vm (eV)	Et (eV)		
	-40.92709	14.81988	16.18567	-8.09284	-31.63247		
					-31.63536831		
eV/cm^-1					match H2		
0.000123985							
Evib (0) (cm-1)	w (s-1)	EK (eV)					
3735.21	4.41776E+16	29.07844					
Evib (0) (eV)							
0.463110811							
				Emag			
Evib (0) (cm-1)				0.114411043			
2720.9							
Evib (0) (eV)							
0.337351369	EDoppler (eV)	OH Eocs (eV)	OH ET (eV)	OH ED (eV)	ED (kcal/mole)	Rel. Error	
	0.33749	0.10594	31.74130	4.410352381	101.7067938	0.000314507	
		OD Eocs (eV)	OD ET (eV)	OD ED (eV)	ED (kcal/mole)	Rel. Error	
		0.168814836	31.80418315	4.468672102	103.0517003	-0.003294141	
			angle of intersection				
			-0.554105797				
			2.158084721				
			123.6491464				
	cm-1/eV	theta O	56.35085364				
	1.24E-04		0.983507932				
kcal/mole/ev	D0 O-H		0.957665248				
4.336340E-02	35584		1.27877963				
Do H-OH	4.411739904	theta H2 MO	73.26867574				
117.59		dH2 MO	0.36397	1.92606E-11			
491.99656		dO AO	0.55411	2.93220E-11			
5.099102206	ET OH						
	-31.6282799						
ET H2O							
-45.91408221							
	D0 O-D						
Exp r O-H (Å and units of	4.454						
0.971							
1.834924575							
	ET OD						
	-31.6721						