

CORRECTION

We are printing here the corrected formula and the corrected Table I from the article, "Second Virial Coefficients of the Lennard-Jones (6, m) Gases," [*J. Chem. Eng. Data*, **77** (1), 77-80 (1966)], by M. M-n Sze and H. W. Hsu. The authors wish to thank Dr. Marjorie E. Boyd, National Bureau of Standards, Washington, D. C. 20234 for pointing out the error in $B^*(T^*)$.

$$B^*(T) = - \left(\frac{3}{m} \right) \sum_{j=0}^{\infty} \frac{1}{(j!)} \cdot \left(\frac{T^*}{4} \right)^{6-mj-3m} \cdot \Gamma \left(\frac{6j-3}{m} \right)$$

$$B^*(T^*) = - \left(\frac{3}{m} \right) \sum_{j=0}^{\infty} \frac{1}{(j!)} \cdot \left(\frac{T^*}{\alpha} \right)^{6-mj-3m} \cdot \Gamma \left(\frac{6j-3}{m} \right)$$

in which

$$\alpha = \frac{m}{m-6} \left(\frac{m}{6} \right)^{6-m-e}, \quad B^* = B / (\frac{2}{3} \pi N \sigma^3), \dots$$

Table I. Second Virial Coefficient for Lennard-Jones (6, m) Potentials

T^*	m						
	8	10	12	14	16	18	20
0.30	-39.040063	-32.092184	-27.880579	-24.979228	-22.846269	-21.205405	-19.899969
0.35	-26.429069	-21.655666	-18.754892	-16.773830	-15.326204	-14.217524	-13.338526
0.40	-19.591224	-15.983110	-13.798832	-12.317037	-11.239267	-10.416677	-9.766225
0.45	-15.391681	-12.496773	-10.754972	-9.579487	-8.727601	-8.079146	-7.567439
0.50	-12.580218	-10.164825	-8.720204	-7.749280	-7.047650	-6.514689	-6.094794
0.55	-10.577358	-8.506643	-7.274084	-6.448413	-5.853109	-5.401667	-5.046448
0.60	-9.084148	-7.272171	-6.197970	-5.480301	-4.963817	-4.572671	-4.265207
0.65	-7.930708	-6.319906	-5.368191	-4.733742	-4.277831	-3.932931	-3.662039
0.70	-7.014385	-5.564335	-4.710037	-4.141554	-3.733545	-3.425153	-3.183093
0.75	-6.269627	-4.950976	-4.175927	-3.660949	-3.291711	-3.012821	-2.794033
0.80	-5.652900	-4.443590	-3.734225	-3.263473	-2.926222	-2.671639	-2.472001
0.85	-5.134113	-4.017187	-3.363119	-2.929509	-2.619076	-2.384845	-2.201227
0.90	-4.691861	-3.654009	-3.047114	-2.645121	-2.357480	-2.140525	-1.970493
0.95	-4.310519	-3.341101	-2.774910	-2.400143	-2.132101	-1.929985	-1.771613
1.00	-3.978416	-3.068801	-2.538081	-2.186996	-1.935979	-1.746741	-1.598479
1.20	-2.991873	-2.261154	-1.835949	-1.555045	-1.354342	-1.203084	-1.084591
1.40	-2.343538	-1.731561	-1.375848	-1.140917	-0.973044	-0.846492	-0.747318
1.60	-1.885973	-1.358483	-1.051912	-0.849351	-0.704518	-0.595261	-0.509582
1.80	-1.546419	-1.082067	-0.812033	-0.633452	-0.505639	-0.409128	-0.333378
2.00	-1.284874	-0.869462	-0.627625	-0.467490	-0.352735	-0.265984	-0.197823
2.20	-1.077542	-0.701150	-0.481710	-0.336182	-0.231744	-0.152689	-0.090501
2.40	-0.909385	-0.564816	-0.363576	-0.229885	-0.133789	-0.060945	-0.003571
2.60	-0.770442	-0.452305	-0.266134	-0.142219	-0.052997	0.014739	0.068160
2.80	-0.653851	-0.358008	-0.184507	-0.068792	0.014676	0.078144	0.128269
3.00	-0.554735	-0.277940	-0.115234	-0.006487	0.072102	0.131957	0.179294
3.20	-0.469532	-0.209193	-0.055787	0.046971	0.121374	0.178136	0.223091
3.40	-0.395583	-0.149597	-0.004281	0.093279	0.164058	0.218145	0.261044
3.60	-0.330861	-0.097499	0.009720	0.133731	0.201344	0.253100	0.294208
3.80	-0.273795	-0.051619	0.080328	0.169327	0.234154	0.283862	0.323401
4.00	-0.223149	-0.010950	0.115417	0.200855	0.263214	0.311111	0.349266
4.50	-0.118608	0.072820	0.187618	0.265702	0.322983	0.367167	0.402488
5.00	-0.037535	0.137579	0.243343	0.315719	0.369079	0.410410	0.443565
5.50	0.026883	0.188863	0.287399	0.355232	0.405489	0.444575	0.476034
6.00	0.079078	0.230271	0.322904	0.387051	0.434805	0.472089	0.502193
6.50	0.122052	0.264239	0.351974	0.413080	0.458781	0.494595	0.523602
7.00	0.157913	0.292476	0.376088	0.434650	0.478645	0.513246	0.541351
7.50	0.188179	0.316211	0.396313	0.452722	0.495282	0.528869	0.556226
8.00	0.213972	0.336353	0.413434	0.468003	0.509346	0.542078	0.568809
8.50	0.236139	0.353584	0.428044	0.481027	0.521327	0.553334	0.579537
9.00	0.255329	0.368431	0.440598	0.492203	0.531604	0.562989	0.588744
9.50	0.272048	0.381301	0.451448	0.501848	0.540469	0.571320	0.596692
10.00	0.286696	0.392518	0.460875	0.510215	0.548155	0.578543	0.603588
11.00	0.311003	0.410974	0.476308	0.523876	0.560694	0.590330	0.614850
12.00	0.330160	0.425336	0.488224	0.534381	0.570321	0.599382	0.623511
13.00	0.345459	0.436644	0.497521	0.542538	0.577783	0.606400	0.630235
14.00	0.357809	0.445623	0.504826	0.548910	0.583599	0.611871	0.635486
15.00	0.367862	0.452798	0.510589	0.553902	0.588142	0.616145	0.639598
16.00	0.376097	0.458549	0.515140	0.557809	0.591687	0.619480	0.642813
17.00	0.382875	0.463166	0.518726	0.560855	0.594436	0.622067	0.645315
18.00	0.388472	0.466866	0.521536	0.563207	0.596548	0.624034	0.647244
19.00	0.393101	0.469820	0.523714	0.564997	0.598140	0.625553	0.648707
20.00	0.396931	0.472159	0.525374	0.566326	0.599309	0.626652	0.649788
25.00	0.407943	0.477691	0.528517	0.568395	0.600943	0.628182	0.651393
30.00	0.411203	0.477485	0.526925	0.566295	0.598748	0.626100	0.649529
35.00	0.410726	0.474643	0.523227	0.562369	0.594886	0.622441	0.646139
40.00	0.408330	0.470544	0.510575	0.557641	0.590298	0.618094	0.642075
45.00	0.404925	0.465862	0.513526	0.552600	0.585435	0.613483	0.637746
50.00	0.400999	0.460945	0.588361	0.547495	0.580523	0.608823	0.633358
60.00	0.392561	0.451077	0.498213	0.537538	0.570963	0.599744	0.624787
70.00	0.384104	0.441638	0.488651	0.528206	0.562013	0.591235	0.616734
80.00	0.376002	0.432820	0.479790	0.519582	0.553742	0.583363	0.609269
90.00	0.368377	0.424646	0.471615	0.511634	0.546119	0.576099	0.602371
100.00	0.361247	0.417079	0.464069	0.504303	0.539084	0.569390	0.595992