

Steam and water properties

Thursday 16 May, 2013

Data generated with pywatprop 0.1.dev executed at 10:24

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<i>Temp</i> <i>T</i> °C	<i>pressure</i> <i>P</i> bar	Specific volume <i>m</i> ³ / <i>kg</i>		Internal Energy <i>kJ/kg</i>		Specific enthalpy <i>kJ/kg</i>	
		<i>water</i> ρ_f	<i>steam</i> ρ_g	<i>u</i> _{<i>f</i>}	<i>u</i> _{<i>g</i>}	<i>h</i> _{<i>f</i>}	<i>h</i> _{<i>g</i>}
50	0.124	988.01	0.083	209.32	2442.8	209.34	2591.3
52	0.136	987.09	0.091	217.68	2445.4	217.70	2594.8
54	0.150	986.15	0.100	226.04	2448.0	226.06	2598.4
56	0.165	985.18	0.109	234.41	2450.7	234.42	2601.9
58	0.182	984.19	0.119	242.77	2453.3	242.79	2605.4
60	0.199	983.18	0.130	251.13	2455.9	251.15	2608.8
62	0.219	982.14	0.142	259.50	2458.5	259.52	2612.3
64	0.239	981.07	0.155	267.87	2461.1	267.89	2615.8
66	0.262	979.99	0.168	276.24	2463.7	276.27	2619.2
68	0.286	978.88	0.183	284.61	2466.3	284.64	2622.7
70	0.312	977.75	0.198	292.99	2468.9	293.02	2626.1
72	0.340	976.60	0.215	301.36	2471.4	301.40	2629.5
74	0.370	975.42	0.233	309.74	2474.0	309.78	2632.9
76	0.402	974.23	0.252	318.13	2476.5	318.17	2636.3
78	0.437	973.01	0.272	326.51	2479.0	326.56	2639.7
80	0.474	971.78	0.294	334.90	2481.6	334.95	2643.0
82	0.514	970.52	0.317	343.29	2484.1	343.34	2646.4
84	0.556	969.25	0.341	351.69	2486.6	351.74	2649.7
86	0.602	967.95	0.367	360.09	2489.0	360.15	2653.0
88	0.650	966.64	0.395	368.49	2491.5	368.56	2656.3
90	0.702	965.30	0.424	376.90	2494.0	376.97	2659.5
92	0.757	963.95	0.455	385.31	2496.4	385.38	2662.8
94	0.815	962.58	0.488	393.72	2498.8	393.81	2666.0
96	0.878	961.19	0.523	402.14	2501.2	402.23	2669.2
98	0.944	959.78	0.559	410.56	2503.6	410.66	2672.4

Table 1: Saturated Water and Steam (from 50°C to 100°C)

P [bar]	T [°C]	ρ_f [kg/m ³]	ρ_g [kg/m ³]	u_f [kJ/kg]	u_g [kJ/kg]	h_f [kJ/kg]	h_g [kJ/kg]
1.0	99.76	958.6	0.590	417.3	2505.5	417.4	2674.9
1.1	102.44	956.7	0.645	428.7	2508.7	428.8	2679.2
1.2	104.93	954.9	0.700	439.2	2511.6	439.3	2683.1
1.3	107.26	953.1	0.754	449.0	2514.3	449.1	2686.6
1.4	109.44	951.5	0.809	458.2	2516.9	458.4	2690.0
1.5	111.50	949.9	0.863	466.9	2519.2	467.1	2693.1
1.6	113.45	948.4	0.916	475.2	2521.4	475.3	2696.0
1.7	115.30	947.0	0.970	483.0	2523.5	483.2	2698.8
1.8	117.06	945.6	1.023	490.5	2525.5	490.7	2701.4
1.9	118.75	944.2	1.076	497.6	2527.3	497.8	2703.9
2.0	120.36	942.9	1.129	504.5	2529.1	504.7	2706.2
2.2	123.40	940.5	1.234	517.4	2532.4	517.6	2710.6
2.4	126.22	938.1	1.339	529.4	2535.4	529.6	2714.6
2.6	128.86	935.9	1.443	540.6	2538.2	540.9	2718.3
2.8	131.34	933.8	1.547	551.2	2540.8	551.5	2721.7
3.0	133.68	931.8	1.651	561.1	2543.2	561.5	2724.9
3.2	135.89	929.9	1.754	570.6	2545.4	570.9	2727.9
3.4	138.00	928.0	1.856	579.6	2547.5	580.0	2730.6
3.6	140.00	926.3	1.959	588.2	2549.5	588.6	2733.3
3.8	141.92	924.5	2.061	596.4	2551.3	596.8	2735.7
4.0	143.76	922.9	2.163	604.3	2553.1	604.7	2738.1
4.2	145.53	921.3	2.264	611.9	2554.8	612.3	2740.3
4.4	147.23	919.7	2.365	619.2	2556.4	619.7	2742.4
4.6	148.87	918.2	2.467	626.2	2557.9	626.7	2744.4
4.8	150.45	916.7	2.567	633.0	2559.3	633.6	2746.3
5.0	151.99	915.3	2.668	639.6	2560.7	640.2	2748.1
5.5	155.61	911.8	2.919	655.3	2563.9	655.9	2752.3
6.0	158.98	908.6	3.169	669.8	2566.8	670.5	2756.1
6.5	162.14	905.5	3.418	683.5	2569.4	684.2	2759.6
7.0	165.10	902.6	3.666	696.4	2571.8	697.1	2762.7

Table 2: Saturated Water and Steam (1 to 7 bar)

P [bar]	T [°C]	ρ_f [kg/m ³]	ρ_g [kg/m ³]	u_f [kJ/kg]	u_g [kJ/kg]	h_f [kJ/kg]	h_g [kJ/kg]
7.5	167.91	899.7	3.914	708.6	2574.0	709.4	2765.6
8.0	170.56	897.0	4.161	720.1	2576.0	721.0	2768.3
8.5	173.09	894.4	4.408	731.2	2577.9	732.1	2770.8
9.0	175.51	891.9	4.654	741.7	2579.7	742.7	2773.0
9.5	177.82	889.5	4.900	751.8	2581.3	752.9	2775.2
10.0	180.04	887.1	5.145	761.6	2582.8	762.7	2777.1
10.5	182.17	884.8	5.391	770.9	2584.2	772.1	2779.0
11.0	184.22	882.6	5.636	780.0	2585.5	781.2	2780.7
11.5	186.20	880.5	5.881	788.7	2586.7	790.0	2782.3
12.0	188.11	878.3	6.126	797.1	2587.9	798.5	2783.8
12.5	189.97	876.3	6.370	805.3	2589.0	806.8	2785.2
13.0	191.76	874.3	6.615	813.3	2590.0	814.8	2786.5
14.0	195.20	870.4	7.104	828.5	2591.8	830.1	2788.9
15.0	198.45	866.6	7.593	843.0	2593.5	844.7	2791.0
16.0	201.53	863.1	8.082	856.8	2594.9	858.6	2792.9
17.0	204.46	859.6	8.571	869.9	2596.2	871.9	2794.5
18.0	207.27	856.2	9.061	882.5	2597.3	884.6	2796.0
19.0	209.96	853.0	9.551	894.6	2598.3	896.8	2797.3
20.0	212.53	849.8	10.042	906.3	2599.2	908.6	2798.4
21.0	215.02	846.7	10.534	917.5	2600.0	920.0	2799.4
22.0	217.41	843.7	11.026	928.4	2600.7	931.0	2800.2
23.0	219.71	840.8	11.519	938.9	2601.3	941.6	2800.9
24.0	221.95	837.9	12.013	949.1	2601.8	952.0	2801.5
25.0	224.11	835.1	12.508	959.0	2602.2	962.0	2802.0
26.0	226.20	832.4	13.004	968.6	2602.5	971.7	2802.5
27.0	228.24	829.7	13.502	978.0	2602.8	981.2	2802.8
28.0	230.21	827.0	14.000	987.1	2603.0	990.5	2803.0
29.0	232.14	824.4	14.500	996.0	2603.2	999.5	2803.2
30.0	234.01	821.9	15.001	1004.7	2603.3	1008.4	2803.3

Table 3: Saturated Water and Steam (7.5 to 30 bar)

P [bar]	T [°C]	ρ_f [kg/m ³]	ρ_g [kg/m ³]	u_f [kJ/kg]	u_g [kJ/kg]	h_f [kJ/kg]	h_g [kJ/kg]
30.0	234.01	821.9	15.001	1004.7	2603.3	1008.4	2803.3
32.0	237.61	816.9	16.006	1021.5	2603.3	1025.5	2803.2
34.0	241.05	812.1	17.018	1037.6	2603.2	1041.8	2803.0
36.0	244.34	807.4	18.035	1053.1	2602.9	1057.6	2802.5
38.0	247.48	802.8	19.059	1068.0	2602.4	1072.8	2801.8
40.0	250.51	798.4	20.090	1082.4	2601.8	1087.4	2800.9
42.0	253.42	794.0	21.127	1096.3	2601.1	1101.6	2799.9
44.0	256.22	789.7	22.172	1109.8	2600.2	1115.4	2798.7
46.0	258.93	785.5	23.224	1122.9	2599.2	1128.8	2797.3
48.0	261.55	781.4	24.283	1135.7	2598.2	1141.8	2795.8
50.0	264.09	777.4	25.351	1148.1	2597.0	1154.5	2794.2
52.0	266.56	773.4	26.427	1160.2	2595.7	1166.9	2792.5
54.0	268.95	769.5	27.511	1172.0	2594.4	1179.0	2790.7
56.0	271.27	765.6	28.604	1183.5	2593.0	1190.8	2788.7
58.0	273.53	761.8	29.706	1194.8	2591.5	1202.4	2786.7
60.0	275.74	758.0	30.818	1205.8	2589.9	1213.7	2784.6
62.0	277.88	754.3	31.939	1216.6	2588.2	1224.9	2782.3
64.0	279.98	750.6	33.070	1227.3	2586.5	1235.8	2780.0
66.0	282.03	746.9	34.210	1237.7	2584.7	1246.5	2777.6
68.0	284.03	743.3	35.362	1247.9	2582.8	1257.1	2775.1
70.0	285.98	739.7	36.524	1258.0	2580.9	1267.4	2772.6
72.0	287.89	736.2	37.696	1267.9	2578.9	1277.7	2769.9
74.0	289.77	732.6	38.881	1277.6	2576.9	1287.7	2767.2
76.0	291.60	729.1	40.076	1287.2	2574.8	1297.6	2764.4
78.0	293.40	725.7	41.284	1296.7	2572.6	1307.4	2761.5
80.0	295.16	722.2	42.503	1306.0	2570.4	1317.1	2758.6
82.0	296.89	718.8	43.736	1315.2	2568.1	1326.6	2755.6
84.0	298.59	715.3	44.981	1324.3	2565.8	1336.0	2752.5
86.0	300.25	711.9	46.239	1333.3	2563.4	1345.3	2749.4
88.0	301.89	708.5	47.511	1342.1	2560.9	1354.5	2746.2

Table 4: Saturated Water and Steam (30 to 88 bar)

P [bar]	T [°C]	ρ_f [kg/m ³]	ρ_g [kg/m ³]	u_f [kJ/kg]	u_g [kJ/kg]	h_f [kJ/kg]	h_g [kJ/kg]
88.0	301.89	708.5	47.511	1342.1	2560.9	1354.5	2746.2
90.0	303.50	705.2	48.797	1350.9	2558.4	1363.7	2742.9
92.0	305.08	701.8	50.098	1359.6	2555.9	1372.7	2739.5
94.0	306.63	698.4	51.413	1368.1	2553.3	1381.6	2736.1
96.0	308.16	695.1	52.744	1376.6	2550.6	1390.4	2732.6
98.0	309.67	691.7	54.090	1385.0	2547.9	1399.2	2729.1
100.0	311.15	688.4	55.452	1393.3	2545.1	1407.9	2725.5
105.0	314.76	680.1	58.932	1413.8	2538.0	1429.3	2716.1
110.0	318.23	671.8	62.524	1433.9	2530.5	1450.3	2706.4
115.0	321.59	663.5	66.237	1453.6	2522.6	1470.9	2696.2
120.0	324.83	655.2	70.082	1473.0	2514.4	1491.3	2685.6
125.0	327.97	646.8	74.071	1492.1	2505.7	1511.5	2674.5
130.0	331.01	638.4	78.216	1511.0	2496.7	1531.4	2662.9
135.0	333.96	629.9	82.533	1529.8	2487.2	1551.2	2650.8
140.0	336.82	621.2	87.041	1548.3	2477.2	1570.9	2638.1
145.0	339.60	612.5	91.759	1566.8	2466.8	1590.5	2624.8
150.0	342.31	603.5	96.711	1585.3	2455.8	1610.2	2610.9
155.0	344.94	594.4	101.925	1603.8	2444.1	1629.9	2596.2
160.0	347.51	585.0	107.433	1622.3	2431.9	1649.7	2580.8
165.0	350.01	575.3	113.273	1641.0	2418.9	1669.7	2564.6
170.0	352.44	565.0	119.413	1660.2	2405.4	1690.3	2547.7
175.0	354.82	554.5	126.067	1679.5	2390.7	1711.0	2529.5
180.0	357.14	543.4	133.256	1699.1	2374.9	1732.2	2510.0
185.0	359.41	531.8	141.096	1719.4	2357.8	1754.1	2488.9
190.0	361.62	519.3	149.748	1740.4	2339.0	1777.0	2465.9
195.0	363.78	505.7	159.449	1762.5	2318.2	1801.0	2440.5
200.0	365.90	490.7	170.570	1786.1	2294.6	1826.9	2411.8
205.0	367.96	473.6	183.747	1812.1	2267.1	1855.4	2378.7
210.0	369.98	453.0	200.249	1841.9	2233.4	1888.3	2338.3
215.0	371.95	425.6	223.395	1879.9	2187.7	1930.4	2284.0
220.0	373.86	369.9	274.441	1953.4	2094.6	2012.9	2174.7

Table 5: Saturated Water and Steam (88 to 220 bar)

$p/[bar]$	0.1	0.5	1.0	5.0	10.0	20.0	40.0	60.0	80.0	100.0	150.0	200.0	250.0	300.0
$T_{sat}/[^{\circ}C]$	45.8	81.3	99.6	151.8	179.9	212.4	250.4	275.6	295.0	311.0	342.2	365.7	377.0	377.0
Density / $[kg/m^3]$														
T $^{\circ}C$														
0	999.80	999.82	999.84	1000.05	1000.30	1000.81	1001.82	1002.82	1003.83	1004.82	1007.30	1009.74	1012.15	1014.54
25	997.01	997.02	997.05	997.23	997.45	997.90	998.80	999.69	1000.58	1001.46	1003.66	1005.83	1007.99	1010.12
50	0.07	988.03	988.05	988.22	988.44	988.87	989.74	990.60	991.46	992.31	994.43	996.53	998.60	1000.66
75	0.06	974.83	974.86	975.03	975.25	975.70	976.58	977.45	978.33	979.19	981.35	983.48	985.58	987.66
100	0.06	0.29	0.59	958.54	958.77	959.24	960.17	961.10	962.02	962.93	965.20	967.43	969.64	971.82
125	0.05	0.27	0.55	939.16	939.41	939.92	940.93	941.93	942.93	943.92	946.37	948.78	951.16	953.50
150	0.05	0.26	0.52	917.02	917.30	917.87	919.00	920.11	921.22	922.32	925.03	927.69	930.30	932.86
175	0.05	0.24	0.49	2.50	892.36	893.01	894.29	895.57	896.83	898.07	901.14	904.14	907.07	909.94
200	0.05	0.23	0.46	2.35	4.85	865.01	866.52	868.02	869.49	870.95	874.51	877.97	881.34	884.62
225	0.04	0.22	0.44	2.22	4.55	9.63	835.09	836.90	838.69	840.45	844.72	848.83	852.80	856.64
250	0.04	0.21	0.42	2.11	4.30	8.97	798.92	801.23	803.49	805.70	811.02	816.09	820.92	825.55
275	0.04	0.20	0.40	2.01	4.07	8.43	18.31	759.09	762.15	765.12	772.15	778.69	784.83	790.62
300	0.04	0.19	0.38	1.91	3.88	7.97	16.99	27.63	41.19	715.29	725.55	734.71	743.01	750.64
350	0.03	0.17	0.35	1.75	3.54	7.22	15.04	23.67	33.36	44.56	87.10	600.66	625.46	643.94
400	0.03	0.16	0.32	1.62	3.26	6.61	13.62	21.09	29.11	37.82	63.81	100.51	166.53	357.60
450	0.03	0.15	0.30	1.51	3.03	6.11	12.49	19.17	26.18	33.57	54.12	78.62	108.99	148.41
500	0.03	0.14	0.28	1.41	2.82	5.69	11.57	17.65	23.94	30.48	48.01	67.60	89.75	115.07
550	0.03	0.13	0.26	1.32	2.65	5.33	10.79	16.39	22.14	28.05	43.58	60.35	78.52	98.28
600	0.02	0.12	0.25	1.24	2.49	5.01	10.12	15.32	20.63	26.06	40.13	54.99	70.72	87.38
650	0.02	0.12	0.23	1.18	2.36	4.73	9.53	14.40	19.35	24.38	37.31	50.78	64.81	79.43
700	0.02	0.11	0.22	1.11	2.23	4.48	9.01	13.60	18.24	22.94	34.94	47.32	60.08	73.24
750	0.02	0.11	0.21	1.06	2.12	4.26	8.55	12.89	17.26	21.68	32.91	44.41	56.17	68.20

Table 6: Density of water and steam)

$p/[bar]$	0.1	0.5	1.0	5.0	10.0	20.0	40.0	60.0	80.0	100.0	150.0	200.0	250.0	300.0
$T_{sat}/[^{\circ}C]$	45.8	81.3	99.6	151.8	179.9	212.4	250.4	275.6	295.0	311.0	342.2	365.7	377.0	377.0
T $^{\circ}C$	Enthalpy / $[kJ/kg]$													
0	-0.03	0.01	0.06	0.47	0.98	1.99	4.02	6.04	8.06	10.07	15.07	20.03	24.96	29.86
25	104.84	104.88	104.93	105.30	105.76	106.69	108.53	110.38	112.22	114.06	118.64	123.21	127.76	132.29
50	2591.99	209.37	209.41	209.76	210.19	211.05	212.77	214.49	216.22	217.93	222.23	226.51	230.78	235.05
75	2639.80	313.98	314.02	314.35	314.75	315.56	317.17	318.78	320.40	322.01	326.04	330.07	334.10	338.13
100	2687.43	2682.40	2675.77	419.40	419.77	420.53	422.03	423.53	425.04	426.55	430.32	434.10	437.88	441.67
125	2735.13	2731.44	2726.68	525.25	525.59	526.28	527.67	529.05	530.44	531.83	535.32	538.82	542.34	545.87
150	2783.02	2780.20	2776.59	632.27	632.57	633.19	634.43	635.68	636.93	638.18	641.34	644.52	647.73	650.96
175	2831.16	2828.93	2826.09	2801.38	741.21	741.73	742.79	743.86	744.94	746.02	748.76	751.55	754.38	757.25
200	2879.59	2877.77	2875.48	2855.90	2828.27	852.57	853.39	854.22	855.06	855.92	858.12	860.39	862.73	865.14
225	2928.35	2926.83	2924.92	2908.92	2887.05	2836.15	967.18	967.67	968.18	968.72	970.16	971.73	973.42	975.21
250	2977.45	2976.16	2974.54	2961.13	2943.22	2903.23	1085.69	1085.65	1085.66	1085.72	1086.04	1086.58	1087.33	1088.26
275	3026.90	3025.79	3024.39	3012.94	2997.90	2965.21	2887.28	1210.68	1209.83	1209.07	1207.56	1206.50	1205.82	1205.48
300	3076.73	3075.76	3074.54	3064.60	3051.70	3024.25	2961.65	2885.49	2786.38	1343.10	1338.06	1334.14	1331.06	1328.66
350	3177.54	3176.78	3175.82	3168.06	3158.16	3137.64	3093.32	3043.86	2988.06	2923.96	2693.00	1645.96	1623.86	1608.79
400	3279.94	3279.32	3278.54	3272.29	3264.39	3248.23	3214.37	3178.18	3139.31	3097.38	2975.55	2816.84	2578.59	2152.37
450	3383.96	3383.45	3382.81	3377.67	3371.19	3358.05	3330.99	3302.76	3273.23	3242.28	3157.84	3061.53	2950.38	2820.91
500	3489.67	3489.24	3488.71	3484.41	3479.00	3468.09	3445.84	3422.95	3399.37	3375.06	3310.79	3241.19	3165.92	3084.79
550	3597.10	3596.74	3596.28	3592.64	3588.07	3578.88	3560.22	3541.19	3521.77	3501.94	3450.47	3396.24	3339.28	3279.79
600	3706.27	3705.96	3705.57	3702.46	3698.56	3690.71	3674.85	3658.76	3642.42	3625.84	3583.31	3539.23	3493.69	3446.87
650	3817.20	3816.94	3816.60	3813.91	3810.55	3803.79	3790.15	3776.36	3762.42	3748.32	3712.41	3675.59	3637.97	3599.68
700	3929.91	3929.67	3929.38	3927.05	3924.12	3918.24	3906.41	3894.47	3882.42	3870.27	3839.48	3808.15	3776.37	3744.24
750	4044.38	4044.18	4043.92	4041.87	4039.31	4034.16	4023.80	4013.37	4002.86	3992.28	3965.56	3938.52	3911.23	3883.78

Table 7: Enthalpy of water and steam)

p [bar]	0.1	0.5	1.0	5.0	10.0	20.0	40.0	60.0	80.0	100.0	150.0	200.0	250.0	300.0
T_{sat} [°C]	45.8	81.3	99.6	151.8	179.9	212.4	250.4	275.6	295.0	311.0	342.2	365.7	377.0	377.0
Internal Energy / [kJ/kg]														
T °C														
0	-0.04	-0.04	-0.04	-0.03	-0.02	-0.01	0.03	0.06	0.09	0.12	0.18	0.23	0.26	0.29
25	104.83	104.83	104.83	104.80	104.76	104.68	104.53	104.38	104.23	104.07	103.70	103.33	102.96	102.59
50	2443.32	209.32	209.31	209.25	209.18	209.03	208.73	208.44	208.15	207.86	207.14	206.44	205.75	205.07
75	2479.46	313.93	313.92	313.83	313.72	313.51	313.07	312.64	312.22	311.80	310.76	309.74	308.74	307.76
100	2515.46	2511.46	2506.17	418.88	418.73	418.44	417.86	417.29	416.72	416.16	414.78	413.43	412.10	410.80
125	2551.57	2548.68	2544.95	524.71	524.53	524.15	523.41	522.68	521.96	521.24	519.47	517.74	516.06	514.41
150	2587.88	2585.71	2582.92	631.72	631.48	631.01	630.08	629.16	628.24	627.34	625.12	622.96	620.86	618.80
175	2624.46	2622.76	2620.59	2601.64	740.09	739.49	738.32	737.16	736.02	734.88	732.12	729.43	726.82	724.28
200	2661.33	2659.96	2658.23	2643.38	2622.26	850.26	848.77	847.30	845.86	844.44	840.96	837.61	834.37	831.23
225	2698.53	2697.40	2695.97	2683.95	2667.41	2628.55	962.39	960.50	958.64	956.82	952.40	948.17	944.10	940.19
250	2736.08	2735.12	2733.92	2723.92	2710.48	2680.26	1080.68	1078.16	1075.70	1073.31	1067.54	1062.08	1056.88	1051.92
275	2773.99	2773.17	2772.13	2763.63	2752.41	2727.90	2668.86	1202.78	1199.33	1196.00	1188.13	1180.82	1173.97	1167.53
300	2812.27	2811.56	2810.65	2803.29	2793.72	2773.25	2726.18	2668.34	2592.14	1329.12	1317.39	1306.92	1297.42	1288.69
350	2889.99	2889.43	2888.72	2882.99	2875.67	2860.45	2827.42	2790.34	2748.24	2699.54	2520.79	1612.66	1583.89	1562.21
400	2969.30	2968.84	2968.27	2963.64	2957.79	2945.81	2920.65	2893.65	2864.53	2832.98	2740.48	2617.84	2428.47	2068.48
450	3050.24	3049.86	3049.39	3045.57	3040.75	3030.98	3010.82	2989.75	2967.66	2944.43	2880.67	2807.13	2721.00	2618.77
500	3132.87	3132.55	3132.15	3128.93	3124.89	3116.73	3100.07	3082.92	3065.22	3046.93	2998.36	2945.33	2887.36	2824.08
550	3217.22	3216.94	3216.60	3213.86	3210.42	3203.49	3189.42	3175.07	3160.39	3145.39	3106.30	3064.83	3020.90	2974.55
600	3303.31	3303.07	3302.78	3300.41	3297.44	3291.48	3279.42	3267.17	3254.72	3242.07	3209.50	3175.54	3140.20	3103.55
650	3391.16	3390.96	3390.70	3388.64	3386.05	3380.86	3370.38	3359.78	3349.03	3338.16	3310.36	3281.71	3252.23	3221.99
700	3480.79	3480.61	3480.38	3478.56	3476.29	3471.72	3462.52	3453.22	3443.82	3434.33	3410.19	3385.50	3360.29	3334.62
750	3572.18	3572.02	3571.82	3570.21	3568.19	3564.13	3555.96	3547.72	3539.40	3531.01	3509.76	3488.12	3466.16	3443.92

Table 8: Internal energy of water and steam

List of Tables