現場技術人員必備

機械工業手册

野口尚一・大塚貳之著

朝旭烈譯・大來書局印行

機械工業手冊

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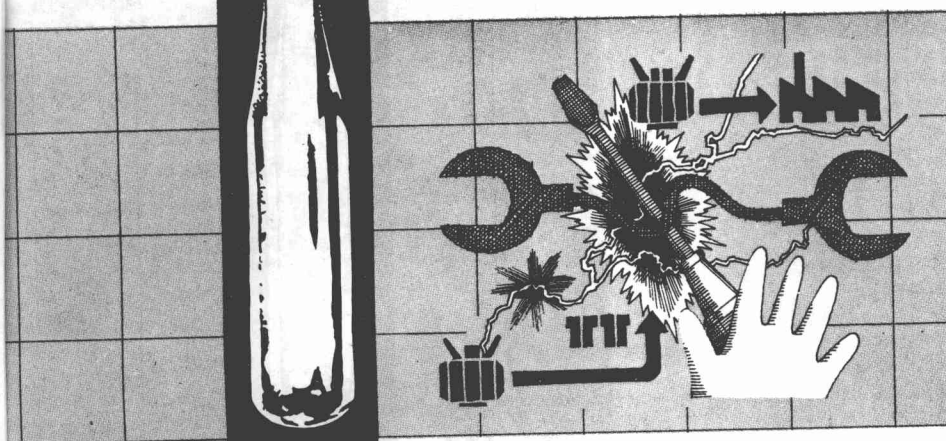

機械工業手册(精裝)

譯者：蕭旭烈◇特價六八〇元

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原　序

機械工業手冊是爲了提供給現場技術人員，豐富的資料而籌劃的，它凝結了編集者，執筆者，出版者的心血，而能在在極少數的實務手冊中誕生，那是十年前往事，此其時，工業資源缺乏，原料及材料都仰賴外國，但是在激烈的國際競爭裡，却能夠飛躍的進步，實爲歷史上少見的奇蹟，誠感可賀。

環視現階段的工業，特別是機械工業的範疇內，不論大企業或者中小企業，都在不停息的猛進，不斷的提高技術水準。可是貿易自由化，迫使競爭更趨白熾化的今天，更需要儘所有的力量提高生產性，這實是當前的急務。

科學技術是在過去的實績上再累積新發現的，如此才能進步，其累積的結果，將是現時刻最佳最新的條件。如果設定以網羅所有最新的資料爲目標的話，那麼必需不斷的編修新的事實，所以說編集工作是無法終結的。

本書對此種關係曾充分考慮過，當初並非是要如此，但是由於內容的再選擇，及充實，經過10年的歲月，特別是設計及材料方面有更大的變革，所以其內容是配合現勢，最適用者做爲修正，此乃爲改訂版的目標。本改訂版是歷經了三年的長時期，它隨着國內機械工業發展，更增加許多的實績，相信本版對於我國的進展上必定有更大的貢獻。

目　　錄

I 數表及單位

A. 數 表

1. 自然數 n 的平方（n^2），立方（n^3），平方根（$\sqrt{n}$），平方根倒數的100倍（$\frac{100}{\sqrt{n}}$），立方根（$\sqrt[3]{n}$），倒數的1000倍（$\frac{1000}{\sqrt{n}}$），直徑 n 的圓周 πn 及其面積（$\frac{\pi n^2}{4}$），自然對數（$\log_e n$）的查表

［使 用 法］

(a) 平方，立方

將 n 用數字表示時，亦即代入 n_2 ，n^3 。譬如

$35^2 = 1,225$　　$35^3 = 42,875$　　$356^3 = 45,118,016$

等，如欲求 $(35.6)^2$ 及 $(35.6)^3$ 時；

$$(35.6)^2 = (356 \times 10^{-1})^2 = (356)^2 \times 10^{-2}$$
$$= 126,736 \times 10^{-2} = 1,267.36$$
$$(35.6)^3 = (356 \times 10^{-1})^3 = (356)^3 \times 10^{-3}$$
$$= 45,118,016 \times 10^{-3} = 45,118.016$$

求 $(0.356)^3$ 時，

$$(0.356)^3 = (356 \times 10^{-3})^3 = (356)^3 \times 10^{-9}$$
$$= 45,118,016 \times 10^{-9} = 0.045118016$$

小數點的位置不論在何處，其有效數字由 1 至1000 皆可由表中正確的查得。$(3,567)^3$ 在數表上雖然無法查得，但是由比例的法則可得出近似值。亦即；

$$(357.0)^3 = 45,499,293$$
$$(356.0)^3 = 45,118,016$$

$$\therefore \quad (357.0)^3 - (356.0)^3 = 381,277$$

$$(356.7)^3 = (356.0)^3 + x$$

$$\frac{(357.0)^3 - (356.0)^3}{(356.7)^3 - (356.0)^3} = \frac{381,277}{x} = \frac{1}{0.7}$$

$$\therefore \quad x = 381,277 \times 0.7 = 266,893.9$$

$$\therefore \quad (356.7)^3 \fallingdotseq (356.0)^3 + x$$

$$= 45,118,016 + 266,893.9 = 45,384,909.9$$

$$\therefore \quad (3,567)^3 = (356.7 \times 10)^3 = (356.7)^3 \times 10^3$$

$$\fallingdotseq 45,384,909,900$$

(b) 平方根，立方根

將 n 用數字表示時可直接於數表中查得

$$\sqrt{95} = 8.0623 \qquad \sqrt[3]{65} = 4.0207$$

如欲求 $\sqrt{6.5}$ 時，可利用 $\sqrt{650} = 25.4951$

$$\sqrt{6.5} = (650 \times 10^{-2})^{\frac{1}{2}} = (65 \times 10)^{\frac{1}{2}} \times 10^{-1}$$

$$= (25.4951) \times 10^{-1} = 2.54951$$

又求 $\sqrt{65.5}$ 時，與上式同樣的爲；

$$\sqrt{65.5} = (6,550 \times 10^{-2})^{\frac{1}{2}} = (655 \times 10)^{\frac{1}{2}} \times 10^{-1}$$

$$= (6,550)^{\frac{1}{2}} \times 10^{-1}$$

有時候，於表中無 $\sqrt{6,550}$，則其方法是按照下列所示之比例的法則來使用，即；

$$\sqrt{66} = 8.1240$$

$$\therefore \quad \underline{-) \quad \sqrt{65} = 8.0623}$$

$$\sqrt{66} - \sqrt{65} = 0.0617$$

設 $\sqrt{65.5} = \sqrt{65} + x$ 時

$$\frac{\sqrt{66} - \sqrt{65}}{\sqrt{65.5} - \sqrt{65}} = \frac{0.0617}{x} = \frac{1}{0.5}$$

$$\therefore \quad x = 0.0309$$

$$\therefore \quad \sqrt{65.5} = \sqrt{65} + x = 8.0623 + 0.0309 = 8.0932$$

此值與$\sqrt{65.5}$之正確值8.09321的小數點以下4位相同，因此一般所給的值爲N時，而在數表中無此值，則可設m爲正整數（1，2，3……）即

$$N = N_0 \times 10^{2m}$$

$$\therefore \quad \sqrt{N} = \sqrt{N_0} \times \sqrt{10^{2m}} = \sqrt{N_0} \times 10^m$$

$\sqrt{N_0}$可於數表中的$\sqrt{n}$欄內查得，如求$\sqrt[3]{N}$的場合，N如無法直接從數表中查得時，可設m爲正整數（1，2，3……），即改變爲

$$\sqrt[3]{N} = \sqrt[3]{N_0 \times 10^{3m}} = \sqrt[3]{N_0} \times 10^m$$

其中，$\sqrt[3]{N_0}$可由數表之$\sqrt[3]{n}$欄內查得，如果對$\sqrt[3]{N}$，$\sqrt[3]{N}$還是不能應用時，可按比例的法則求其近似值。

(c) 平方根的倒數

無法自表中直接讀數時可按比例的法則，譬如欲求$\frac{1}{\sqrt{61.5}}$時；

$$\frac{1}{\sqrt{61}} = 0.1280369$$

$$\frac{1}{\sqrt{62}} = 0.1270001$$

$$\frac{1}{\sqrt{61}} - \frac{1}{\sqrt{62}} = 0.0010368$$

$$\frac{1}{\sqrt{61.5}} = \frac{1}{\sqrt{62}} + x$$

$$\frac{\frac{1}{\sqrt{61}} - \frac{1}{\sqrt{62}}}{\frac{1}{\sqrt{61.5}} - \frac{1}{\sqrt{62}}} = \frac{0.0010368}{x} = \frac{1}{0.5}$$

$$\therefore \quad x = 0.0005184$$

$$\therefore \quad \frac{1}{\sqrt{61.5}} = \frac{1}{\sqrt{62}} + x = 0.1270001 + 0.0005184$$

$$= 0.1275185$$

(d) 倒數，圓周，圓的面積

如果無法直接由表查得時，可如下列之例子將小數點的位置適當移動。譬如求 1／21.5 時

$$\frac{1}{21.5} = \frac{1}{215} \times 10 = \frac{1}{1{,}000} \cdot \frac{1{,}000}{215} \times 10 = 4.65116 \times 10^{-2}$$

又直徑爲 15.6 cm之圓的面積爲；

$$\frac{\pi}{4}(15.6)^2 = \frac{\pi}{4}(156 \times 10^{-1})^2 = \frac{\pi}{4}(156)^2 \times 10^{-2}$$

$$= 19113.4 \times 10^{-2} = 191.134 \ (\mathrm{cm}^2)$$

如果再不能應用，可採比例的法則。

(e) 自然對數

可自數表中直接查得，譬如

$\log_e 435 = 6.07535$　　$\log_e 963 = 6.87005$

如欲求 $\log_e 6790$ 或 $\log_e 0.0679$ 時可採用如下之10 平方之自然對數。

$\log_e 10 = 2.302585$　　$\log_e 10^6 = 13.815511$

$\log_e 10^2 = 4.605170$　　$\log_e 10^7 = 16.118096$

$\log_e 10^3 = 6.907755$　　$\log_e 10^8 = 18.420681$

$\log_e 10^4 = 9.210340$　　$\log_e 10^9 = 20.723266$

$\log_e 10^5 = 11.512925$

如有效數字在三位以上，例如求 8776 的自然對數可求出 $\log_e$ 8770與 $\log_e$ 8780 之值，然後按比例的法則，即

$$\log_e 8770 = \log_e (877 \times 10) = \log_e 877 + \log_e 10$$

$$= 6.77651 + 2.30259 = 9.07910$$

$$\log_e 8{,}780 = \log_e (878 \times 10) = \log_e 878 + \log_e 10$$
$$= 6.77765 + 2.30259 = 9.08024$$
$$\therefore \quad \log_e 8{,}780 - \log_e 8{,}770 = 0.00114$$

$$\frac{0.00114}{x} = \frac{10}{6}$$
$$\therefore \quad x = 0.000684$$
$$\therefore \quad \log_e 8{,}776 = \log_e 8{,}770 + x$$
$$= 9.07910 + 0.000684$$
$$= 9.07978 \text{（四捨五入）}$$

n	n^2	n^3	$\sqrt{n}$	$\sqrt[3]{n}$	$\frac{1\,000}{n}$	$\frac{100}{\sqrt{n}}$	πn	$\frac{\pi n^2}{4}$	$\log_e n$
1	1	1	1.0000	1.0000			3.142	0.7854	0.00000
2	4	8	1.4142	1.2599	500.000	70.71068	6.283	3.1416	0.69315
3	9	27	1.7321	1.4422	333.333	57.73503	9.425	7.0686	1.09861
4	16	64	2.0000	1.5874	250.000	50.00000	12.566	12.5664	1.38629
5	25	125	2.2361	1.7100	200.000	44.72136	15.708	19.6350	1.60944
6	36	216	2.4495	1.8171	166.667	40.82483	18.850	28.2743	1.79176
7	49	343	2.6458	1.9129	142.857	37.79645	21.991	38.4845	1.94591
8	64	512	2.8284	2.0000	125.000	35.35534	25.133	50.2655	2.07944
9	81	729	3.0000	2.0801	111.111	33.33333	28.274	63.6173	2.19722
10	100	1 000	3.1623	2.1544	100.000	31.62278	31.416	78.5398	2.30259
11	121	1 331	3.3166	2.2240	90.9091	30.15113	34.558	95.0332	2.39790
12	144	1 728	3.4641	2.2894	83.3333	28.86751	37.699	113.097	2.48491
13	169	2 197	3.6056	2.3513	76.9231	27.73501	40.841	132.732	2.56495
14	196	2 744	3.7417	2.4101	71.4286	26.72612	43.982	153.938	2.63906
15	225	3 375	3.8730	2.4662	66.6667	25.81989	47.124	176.715	2.70805
16	256	4 096	4.0000	2.5198	62.5000	25.00000	50.265	201.062	2.77259
17	289	4 913	4.1231	2.5713	58.8235	24.25356	53.407	226.980	2.83321
18	324	5 832	4.2426	2.6207	55.5556	23.57023	56.549	254.469	2.89037
19	361	6 859	4.3589	2.6684	52.6316	22.94157	59.690	283.529	2.94444
20	400	8 000	4.4721	2.7144	50.0000	22.36068	62.832	314.159	2.99573
21	441	9 261	4.5826	2.7589	47.6190	21.82179	65.973	346.361	3.04452
22	484	10 648	4.6904	2.8020	45.4545	21.32007	69.115	380.133	3.09104
23	529	12 167	4.7958	2.8439	43.4783	20.85144	72.257	415.476	3.13549
24	576	13 824	4.8990	2.8845	41.6667	20.41241	75.398	452.389	3.17805
25	625	15 625	5.0000	2.9240	40.0000	20.00000	78.540	490.874	3.21888
26	676	17 576	5.0990	2.9625	38.4615	19.61161	81.681	530.929	3.25810
27	729	19 683	5.1962	3.0000	37.0370	19.24501	84.823	572.555	3.29584
28	784	21 952	5.2915	3.0366	35.7143	18.89822	87.965	615.752	3.33220
29	841	24 389	5.3852	3.0723	34.4828	18.56953	91.106	660.520	3.36730
30	900	27 000	5.4772	3.1072	33.3333	18.25742	94.248	706.858	3.40120
31	961	29 791	5.5678	3.1414	32.2581	17.96053	97.389	754.768	3.43399
32	1 024	32 768	5.6569	3.1748	31.2500	17.67767	100.531	804.248	3.46574
33	1 089	35 937	5.7446	3.2075	30.3030	17.40777	103.673	855.299	3.49651
34	1 156	39 304	5.8310	3.2396	29.4118	17.14986	106.814	907.920	3.52636
35	1 225	42 875	5.9161	3.2711	28.5714	16.90309	109.956	962.113	3.55535
36	1 296	46 656	6.0000	3.3019	27.7778	16.66667	113.097	1 017.88	3.58352
37	1 369	50 653	6.0828	3.3322	27.0270	16.43990	116.239	1 075.21	3.61092
38	1 444	54 872	6.1644	3.3620	26.3158	16.22214	119.381	1 134.11	3.63759
39	1 521	59 319	6.2450	3.3912	25.6410	16.01282	122.522	1 194.59	3.66356
40	1 600	64 000	6.3246	3.4200	25.0000	15.81139	125.66	1 256.64	3.68888
41	1 681	68 921	6.4031	3.4482	24.3902	15.61738	128.81	1 320.25	3.71357
42	1 764	74 088	6.4807	3.4760	23.8095	15.43034	131.95	1 385.44	3.73767
43	1 849	79 507	6.5574	3.5034	23.2558	15.24986	135.09	1 452.20	3.76120
44	1 936	85 184	6.6332	3.5303	22.7273	15.07557	138.23	1 520.53	3.78419
45	2 025	91 125	6.7082	3.5569	22.2222	14.90712	141.37	1 590.43	3.80666
46	2 116	97 336	6.7823	3.5830	21.7391	14.74420	144.51	1 661.90	3.82864
47	2 209	103 823	6.8557	3.6088	21.2766	14.58650	147.65	1 734.94	3.85015
48	2 304	110 592	6.9282	3.6342	20.8333	14.43376	150.80	1 809.56	3.87120
49	2 401	117 649	7.0000	3.6593	20.4082	14.28571	153.94	1 885.74	3.89182
50	2 500	125 000	7.0711	3.6840	20.0000	14.14214	157.08	1 963.50	3.91202

n	n^2	n^3	$\sqrt{n}$	$\sqrt[3]{n}$	$\frac{1\,000}{n}$	$\frac{100}{\sqrt{n}}$	πn	$\frac{\pi n^2}{4}$	$\log_e n$
50	2 500	125 000	7.0711	3.6840	20.0000	14.14214	157.08	1 963.50	3.91202
51	2 601	132 651	7.1414	3.7084	19.6078	14.00280	160.22	2 042.82	3.93183
52	2 704	140 608	7.2111	3.7325	19.2308	13.86750	163.36	2 123.72	3.95124
53	2 809	148 877	7.2801	3.7563	18.8679	13.73606	166.50	2 206.18	3.97029
54	2 916	157 464	7.3485	3.7798	18.5185	13.60828	169.65	2 290.22	3.98898
55	3 025	166 375	7.4162	3.8030	18.1818	13.48400	172.79	2 375.83	4.00733
56	3 136	175 616	7.4833	3.8259	17.8571	13.36306	175.93	2 463.01	4.02535
57	3 249	185 193	7.5498	3.8485	17.5439	13.24532	179.07	2 551.76	4.04305
58	3 364	195 112	7.6158	3.8709	17.2414	13.13064	182.21	2 642.08	4.06044
59	3 481	205 379	7.6811	3.8930	16.9492	13.01889	185.35	2 733.97	4.07754
60	3 600	216 000	7.7460	3.9149	16.6667	12.90994	188.50	2 827.43	4.09434
61	3 721	226 981	7.8102	3.9365	16.3934	12.80369	191.64	2 922.47	4.11087
62	3 844	238 328	7.8740	3.9579	16.1290	12.70001	194.78	3 019.07	4.12713
63	3 969	250 047	7.9373	3.9791	15.8730	12.59882	197.92	3 117.25	4.14313
64	4 096	262 144	8.0000	4.0000	15.6250	12.50000	201.06	3 216.99	4.15888
65	4 225	274 625	8.0623	4.0207	15.3846	12.40347	204.20	3 318.31	4.17439
66	4 356	287 496	8.1240	4.0412	15.1515	12.30915	207.35	3 421.19	4.18965
67	4 489	300 763	8.1854	4.0615	14.9254	12.21694	210.49	3 525.65	4.20469
68	4 624	314 432	8.2462	4.0817	14.7059	12.12678	213.63	3 631.68	4.21951
69	4 761	328 509	8.3066	4.1016	14.4928	12.03859	216.77	3 739.28	4.23411
70	4 900	343 000	8.3666	4.1213	14.2857	11.95229	219.91	3 848.45	4.24850
71	5 041	357 911	8.4261	4.1408	14.0845	11.86782	223.05	3 959.19	4.26268
72	5 184	373 248	8.4853	4.1602	13.8889	11.78511	226.19	4 071.50	4.27667
73	5 329	389 017	8.5440	4.1793	13.6986	11.70411	229.34	4 185.39	4.29046
74	5 476	405 224	8.6023	4.1983	13.5135	11.62476	232.48	4 300.84	4.30407
75	5 625	421 875	8.6603	4.2172	13.3333	11.54701	235.62	4 417.86	4.31749
76	5 776	438 976	8.7178	4.2358	13.1579	11.47079	238.76	4 536.46	4.33073
77	5 929	456 533	8.7750	4.2543	12.9870	11.39606	241.90	4 656.63	4.34381
78	6 084	474 552	8.8318	4.2727	12.8205	11.32277	245.04	4 778.36	4.35671
79	6 241	493 039	8.8882	4.2908	12.6582	11.25088	248.19	4 901.67	4.36945
80	6 400	512 000	8.9443	4.3089	12.5000	11.18034	251.33	5 026.55	4.38203
81	6 561	531 441	9.0000	4.3267	12.3457	11.11111	254.47	5 153.00	4.39445
82	6 724	551 368	9.0554	4.3445	12.1951	11.04315	257.61	5 281.02	4.40672
83	6 889	571 787	9.1104	4.3621	12.0482	10.97643	260.75	5 410.61	4.41884
84	7 056	592 704	9.1652	4.3795	11.9048	10.91089	263.89	5 541.77	4.43082
85	7 225	614 125	9.2195	4.3968	11.7647	10.84652	267.04	5 674.50	4.44265
86	7 396	636 056	9.2736	4.4140	11.6279	10.78328	270.18	5 808.80	4.45435
87	7 569	658 503	9.3274	4.4310	11.4943	10.72113	273.32	5 944.68	4.46591
88	7 744	681 472	9.3808	4.4480	11.3636	10.66004	276.46	6 082.12	4.47734
89	7 921	704 969	9.4340	4.4647	11.2360	10.59998	279.60	6 221.14	4.48864
90	8 100	729 000	9.4868	4.4814	11.1111	10.54093	282.74	6 361.73	4.49981
91	8 281	753 571	9.5394	4.4979	10.9890	10.48285	285.88	6 503.88	4.51086
92	8 464	778 688	9.5917	4.5144	10.8696	10.42572	289.03	6 647.61	4.52179
93	8 649	804 357	9.6437	4.5307	10.7527	10.36952	292.17	6 792.91	4.53260
94	8 836	830 584	9.6954	4.5468	10.6383	10.31421	295.31	6 939.78	4.54329
95	9 025	857 375	9.7468	4.5629	10.5263	10.25978	298.45	7 088.22	4.55388
96	9 216	884 736	9.7980	4.5789	10.4167	10.20621	301.59	7 238.23	4.56435
97	9 409	912 673	9.8489	4.5947	10.3093	10.15346	304.73	7 389.81	4.57471
98	9 604	941 192	9.8995	4.6104	10.2041	10.10153	307.88	7 542.96	4.58497
99	9 801	970 299	9.9499	4.6261	10.1010	10.05038	311.02	7 697.69	4.59512
100	10 000	1 000 000	10.0000	4.6416	10.0000	10.00000	314.16	7 853.98	4.60517

n	n^2	n^3	$\sqrt{n}$	$\sqrt[3]{n}$	$\frac{1\,000}{n}$	$\frac{100}{\sqrt{n}}$	πn	$\frac{\pi n^2}{4}$	$\log_e n$
100	10 000	1 000 000	10.0000	4.6416	10.0000	10.00000	314.16	7 853.98	4.60517
101	10 201	1 030 301	10.0499	4.6570	9.90099	9.95037	317.30	8 011.85	4.61512
102	10 404	1 061 208	10.0995	4.6723	9.80392	9.90148	320.44	8 171.28	4.62497
103	10 609	1 092 727	10.1489	4.6875	9.70874	9.85329	323.58	8 332.29	4.63473
104	10 816	1 124 864	10.1980	4.7027	9.61538	9.80581	326.73	8 494.87	4.64439
105	11 025	1 157 625	10.2470	4.7177	9.52381	9.75900	329.87	8 659.01	4.65396
106	11 236	1 191 016	10.2956	4.7326	9.43396	9.71286	333.01	8 824.73	4.66344
107	11 449	1 225 043	10.3441	4.7475	9.34579	9.66736	336.15	8 992.02	4.67283
108	11 664	1 259 712	10.3923	4.7622	9.25926	9.62250	339.29	9 160.88	4.68213
109	11 881	1 295 029	10.4403	4.7769	9.17431	9.57826	342.43	9 331.32	4.69135
110	12 100	1 331 000	10.4881	4.7914	9.09091	9.53463	345.58	9 503.32	4.70048
111	12 321	1 367 631	10.5357	4.8059	9.00901	9.49158	348.72	9 676.89	4.70953
112	12 544	1 404 928	10.5830	4.8203	8.92857	9.44911	351.86	9 852.03	4.71850
113	12 769	1 442 897	10.6301	4.8346	8.84956	9.40721	355.00	10 028.7	4.72739
114	12 996	1 481 544	10.6771	4.8488	8.77193	9.36586	358.14	10 207.0	4.73620
115	13 225	1 520 875	10.7238	4.8629	8.69565	9.32505	361.28	10 386.9	4.74493
116	13 456	1 560 896	10.7703	4.8770	8.62069	9.28477	364.42	10 568.3	4.75359
117	13 689	1 601 613	10.8167	4.8910	8.54701	9.24500	367.57	10 751.3	4.76217
118	13 924	1 643 032	10.8628	4.9049	8.47458	9.20575	370.71	10 935.9	4.77068
119	14 161	1 685 159	10.9087	4.9187	8.40336	9.16698	373.85	11 122.0	4.77912
120	14 400	1 728 000	10.9545	4.9324	8.33333	9.12871	376.99	11 309.7	4.78749
121	14 641	1 771 561	11.0000	4.9461	8.26446	9.09091	380.13	11 499.0	4.79579
122	14 884	1 815 848	11.0454	4.9597	8.19672	9.05357	383.27	11 689.9	4.80402
123	15 129	1 860 867	11.0905	4.9732	8.13008	9.01670	386.42	11 882.3	4.81218
124	15 376	1 906 624	11.1355	4.9866	8.06452	8.98027	389.56	12 076.3	4.82028
125	15 625	1 953 125	11.1803	5.0000	8.00000	8.94427	392.70	12 271.8	4.82831
126	15 876	2 000 376	11.2250	5.0133	7.93651	8.90871	395.84	12 469.0	4.83628
127	16 129	2 048 383	11.2694	5.0265	7.87402	8.87357	398.98	12 667.7	4.84419
128	16 384	2 097 152	11.6137	5.0397	7.81250	8.83883	402.12	12 868.0	4.85203
129	16 641	2 146 689	11.3578	5.0528	7.75194	8.80451	405.27	13 069.8	4.85981
130	16 900	2 197 000	11.4018	5.0658	7.69231	8.77058	408.41	13 273.2	4.86753
131	17 161	2 248 091	11.4455	5.0788	7.63359	8.73704	411.55	13 478.2	4.87520
132	17 424	2 299 968	11.4891	5.0916	7.57576	8.70388	414.69	13 684.8	4.88280
133	17 689	2 352 637	11.5326	5.1045	7.51880	8.67110	417.83	13 892.9	4.89035
134	17 956	2 406 104	11.5758	5.1172	7.46269	8.63868	420.97	14 102.6	4.89784
135	18 225	2 460 375	11.6190	5.1299	7.40741	8.60663	424.12	14 313.9	4.90527
136	18 496	2 515 456	11.6619	5.1426	7.35294	8.57493	427.26	14 526.7	4.91265
137	18 769	2 571 353	11.7047	5.1551	7.29927	8.54358	430.40	14 741.1	4.91998
138	19 044	2 628 072	11.7473	5.1676	7.24638	8.51257	433.54	14 957.1	4.92725
139	19 321	2 685 619	11.7898	5.1801	7.19424	8.48189	436.68	15 174.7	4.93447
140	19 600	2 744 000	11.8322	5.1925	7.14286	8.45154	439.82	15 393.8	4.94164
141	19 881	2 803 221	11.8743	5.2048	7.09220	8.42152	442.96	15 614.5	4.94876
142	20 164	2 863 288	11.9164	5.2171	7.04225	8.39181	446.11	15 836.8	4.95583
143	20 449	2 924 207	11.9583	5.2293	6.99301	8.36242	449.25	16 060.6	4.96284
144	20 736	2 985 984	12.0000	5.2415	6.94444	8.33333	452.39	16 286.0	4.96981
145	21 025	3 048 625	12.0416	5.2536	6.89655	8.30455	455.53	16 513.0	4.97673
146	21 316	3 112 136	12.0830	5.2656	6.84932	8.27606	458.67	16 741.5	4.98361
147	21 609	3 176 523	12.1244	5.2776	6.80272	8.24786	461.81	16 971.7	4.99043
148	21 904	3 241 792	12.1655	5.2896	6.75676	8.21995	464.96	17 203.4	4.99721
149	22 201	3 307 949	12.2066	5.3015	6.71141	8.19232	468.10	17 436.6	5.00395
150	22 500	3 375 000	12.2474	5.3133	6.66667	8.16497	471.24	17 671.5	5.01064

n	n^2	n^3	$\sqrt{n}$	$\sqrt[3]{n}$	$\frac{1\,000}{n}$	$\frac{100}{\sqrt{n}}$	πn	$\frac{\pi n^2}{4}$	$\log_e n$
150	22 500	3 375 000	12.2474	5.3133	6.66667	8.16497	471.24	17 671.5	5.01064
151	22 801	3 442 951	12.2882	5.3251	6.62252	8.13788	474.38	17 907.9	5.01728
152	23 104	3 511 808	12.3288	5.3368	6.57895	8.11107	477.52	18 145.8	5.02388
153	23 409	3 581 577	12.3693	5.3485	6.53595	8.08452	480.66	18 385.4	5.03044
154	23 716	3 652 264	12.4097	5.3601	6.49351	8.05823	483.81	18 626.5	5.03695
155	24 025	3 723 875	12.4499	5.3717	6.45161	8.03219	486.95	18 869.2	5.04343
156	24 336	3 796 416	12.4900	5.3832	6.41026	8.00641	490.09	19 113.4	5.04986
157	24 649	3 869 893	12.5300	5.3947	6.36943	7.98087	493.23	19 359.3	5.05625
158	24 964	3 944 312	12.5698	5.4061	6.32911	7.95557	496.37	19 606.7	5.06260
159	25 281	4 019 679	12.6095	5.4175	6.28931	7.93052	499.51	19 855.7	5.06890
160	25 600	4 096 000	12.6491	5.4288	6.25000	7.90569	502.65	20 106.2	5.07517
161	25 921	4 173 281	12.6886	5.4401	6.21118	7.88110	505.80	20 358.3	5.08140
162	26 244	4 251 528	12.7279	5.4514	6.17284	7.85674	508.94	20 612.0	5.08760
163	26 569	4 330 747	12.7671	5.4626	6.13497	7.83260	512.08	20 867.2	5.09375
164	26 896	4 410 944	12.8062	5.4737	6.09756	7.80869	515.22	21 124.1	5.09987
165	27 225	4 492 125	12.8452	5.4848	6.06061	7.78499	518.36	21 382.5	5.10595
166	27 556	4 574 296	12.8841	5.4959	6.02410	7.76151	521.50	21 642.4	5.11199
167	27 889	4 657 463	12.9228	5.5069	5.98802	7.73823	524.65	21 904.0	5.11799
168	28 224	4 741 632	12.9615	5.5178	5.95238	7.71517	527.79	22 167.1	5.12396
169	28 561	4 826 809	13.0000	5.5288	5.91716	7.69231	530.93	22 431.8	5.12990
170	28 900	4 913 000	13.0384	5.5397	5.88235	7.66965	534.07	22 698.0	5.13580
171	29 241	5 000 211	13.0767	5.5505	5.84795	7.64719	537.21	22 965.8	5.14166
172	29 584	5 088 448	13.1149	5.5613	5.81395	7.62493	540.35	23 235.2	5.14749
173	29 929	5 177 717	13.1529	5.5721	5.78035	7.60286	543.50	23 506.2	5.15329
174	30 276	5 268 024	13.1909	5.5828	5.74713	7.58098	546.64	23 778.7	5.15906
175	30 625	5 359 375	13.2288	5.5934	5.71429	7.55929	549.78	24 052.8	5.16479
176	30 976	5 451 776	13.2665	5.6041	5.68182	7.53778	552.92	24 328.5	5.17048
177	31 329	5 545 233	13.3041	5.6147	5.64972	7.51646	556.06	24 605.7	5.17615
178	31 684	5 639 752	13.3417	5.6252	5.61798	7.49532	559.20	24 884.6	5.18178
179	32 041	5 735 339	13.3791	5.6357	5.58659	7.47435	562.35	25 164.9	5.18739
180	32 400	5 832 000	13.4164	5.6462	5.55556	7.45356	565.49	25 446.9	5.19296
181	32 761	5 929 741	13.4536	5.6567	5.52486	7.43294	568.63	25 730.4	5.19850
182	33 124	6 028 568	13.4907	5.6671	5.49451	7.41249	571.77	26 015.5	5.20401
183	33 489	6 128 487	13.5277	5.6774	5.46448	7.39221	574.91	26 302.2	5.20949
184	33 856	6 229 504	13.5647	5.6877	5.43478	7.37210	578.05	26 590.4	5.21494
185	34 225	6 331 625	13.6015	5.6980	5.40541	7.35215	581.19	26 880.3	5.22036
186	34 596	6 434 856	13.6382	5.7083	5.37634	7.33236	584.34	27 171.6	5.22575
187	34 969	6 539 203	13.6748	5.7185	5.34759	7.31272	587.48	27 464.6	5.23111
188	35 344	6 644 672	13.7113	5.7287	5.31915	7.29325	590.62	27 759.1	5.23644
189	35 721	6 751 269	13.7477	5.7388	5.29101	7.27393	593.76	28 055.2	5.24175
190	36 100	6 859 000	13.7840	5.7489	5.26316	7.25476	596.90	28 352.9	5.24702
191	36 481	6 967 871	13.8203	5.7590	5.23560	7.23575	600.04	28 652.1	5.25227
192	36 864	7 077 888	13.8564	5.7690	5.20833	7.21688	603.19	28 952.9	5.25750
193	37 249	7 189 057	13.8924	5.7790	5.18135	7.19816	606.33	29 255.3	5.26269
194	37 636	7 301 384	13.9284	5.7890	5.15464	7.17958	609.47	29 559.2	5.26786
195	38 025	7 414 875	13.9642	5.7989	5.12821	7.16115	612.61	29 864.8	5.27300
196	38 416	7 529 536	14.0000	5.8088	5.10204	7.14286	615.75	30 171.9	5.27811
197	38 809	7 645 373	14.0357	5.8186	5.07614	7.12470	618.89	30 480.5	5.28320
198	39 204	7 762 392	14.0712	5.8285	5.05051	7.10669	622.04	30 790.7	5.28827
199	39 601	7 880 599	14.1067	5.8383	5.02513	7.08881	625.18	31 102.6	5.29330
200	40 000	8 000 000	14.1421	5.8480	5.00000	7.07107	628.32	31 415.9	5.29832

n	n^2	n^3	$\sqrt{n}$	$\sqrt[3]{n}$	$\frac{1\,000}{n}$	$\frac{100}{\sqrt{n}}$	πn	$\frac{\pi n^2}{4}$	$\log_e n$
200	40 000	8 000 000	14.1421	5.8480	5.00000	7.07107	628.32	31 415.9	5.29832
201	40 401	8 120 601	14.1774	5.8578	4.97512	7.05346	631.46	31 730.9	5.30330
202	40 804	8 242 408	14.2127	5.8675	4.95050	7.03598	634.60	32 047.4	5.30827
203	41 209	8 365 427	14.2478	5.8771	4.92611	7.01862	637.74	32 365.5	5.31321
204	41 616	8 489 664	14.2829	5.8868	4.90196	7.00140	640.88	32 685.1	5.31812
205	42 025	8 615 125	14.3178	5.8964	4.87805	6.98430	644.03	33 006.4	5.32301
206	42 436	8 741 816	14.3527	5.9059	4.85437	6.96733	647.17	33 329.2	5.32788
207	42 849	8 869 743	14.3875	5.9155	4.83092	6.95048	650.31	33 653.5	5.33272
208	43 264	8 998 912	14.4222	5.9250	4.80769	6.93375	653.45	33 979.5	5.33754
209	43 681	9 129 329	14.4568	5.9345	4.78469	6.91714	656.59	34 307.0	5.34233
210	44 100	9 261 000	14.4914	5.9439	4.76190	6.90066	659.73	34 636.1	5.34711
211	44 521	9 393 931	14.5258	5.9533	4.73934	6.88428	662.88	34 966.7	5.35186
212	44 944	9 528 128	14.5602	5.9627	4.71698	6.86803	666.02	35 298.9	5.35659
213	45 369	9 663 597	14.5945	5.9721	4.69484	6.85189	669.16	35 632.7	5.36129
214	45 796	9 800 344	14.6287	5.9814	4.67290	6.83586	672.30	35 968.1	5.36598
215	46 225	9 938 375	14.6629	5.9907	4.65116	6.81994	675.44	36 305.0	5.37064
216	46 656	10 077 696	14.6969	6.0000	4.62963	6.80414	678.58	36 643.5	5.37528
217	47 089	10 218 313	14.7309	6.0092	4.60829	6.78844	681.73	36 983.6	5.37990
218	47 524	10 360 232	14.7648	6.0185	4.58716	6.77285	684.87	37 325.3	5.38450
219	47 961	10 503 459	14.7986	6.0277	4.56621	6.75737	688.01	37 668.5	5.38907
220	48 400	10 648 000	14.8324	6.0368	4.54545	6.74200	691.15	38 013.3	5.39363
221	48 841	10 793 861	14.8661	6.0459	4.52489	6.72673	694.29	38 359.6	5.39816
222	49 284	10 941 048	14.8997	6.0550	4.50450	6.71156	697.43	38 707.6	5.40268
223	49 729	11 089 567	14.9332	6.0641	4.48430	6.69650	700.58	39 057.1	5.40717
224	50 176	11 239 424	14.9666	6.0732	4.46429	6.68153	703.72	39 408.1	5.41165
225	50 625	11 390 625	15.0000	6.0822	4.44444	6.66667	706.86	39 760.8	5.41610
226	51 076	11 543 176	15.0333	6.0912	4.42478	6.65190	710.00	40 115.0	5.42053
227	51 529	11 697 083	15.0665	6.1002	4.40529	6.63723	713.14	40 470.8	5.42495
228	51 984	11 852 352	15.0997	6.1091	4.38596	6.62266	716.28	40 828.1	5.42935
229	52 441	12 008 989	15.1327	6.1180	4.36681	6.60819	719.42	41 187.1	5.43372
230	52 900	12 167 000	15.1658	6.1269	4.34783	6.59380	722.57	41 547.6	5.43808
231	53 361	12 326 391	15.1987	6.1358	4.32900	6.57952	725.71	41 909.6	5.44242
232	53 824	12 487 168	15.2315	6.1446	4.31034	6.56532	728.85	42 273.3	5.44674
233	54 289	12 649 337	15.2643	6.1534	4.29185	6.55122	731.99	42 638.5	5.45104
234	54 756	12 812 904	15.2971	6.1622	4.27350	6.53720	735.13	43 005.3	5.45532
235	55 225	12 977 875	15.3297	6.1710	4.25532	6.52328	738.27	43 373.6	5.45959
236	55 696	13 144 256	15.3623	6.1797	4.23729	6.50945	741.42	43 743.5	5.46383
237	56 169	13 312 053	15.3948	6.1885	4.21941	6.49570	744.56	44 115.0	5.46806
238	56 644	13 481 272	15.4272	6.1972	4.20168	6.48204	747.70	44 488.1	5.47227
239	57 121	13 651 919	15.4596	6.2058	4.18410	6.46846	750.84	44 862.7	5.47646
240	57 600	13 824 000	15.4919	6.2145	4.16667	6.45497	753.98	45 238.9	5.48064
241	58 081	13 997 521	15.5242	6.2231	4.14938	6.44157	757.12	45 616.7	5.48480
242	58 564	14 172 488	15.5563	6.2317	4.13223	6.42824	760.27	45 996.1	5.48894
243	59 049	14 348 907	15.5885	6.2403	4.11523	6.41500	763.41	46 377.0	5.49306
244	59 536	14 526 784	15.6205	6.2488	4.09836	6.40184	766.55	46 759.5	5.49717
245	60 025	14 706 125	15.6525	6.2573	4.08163	6.38877	769.69	47 143.5	5.50126
246	60 516	14 886 936	15.6844	6.2658	4.06504	6.37577	772.83	47 529.2	5.50533
247	61 009	15 069 223	15.7162	6.2743	4.04858	6.36285	775.97	47 916.4	5.50939
248	61 504	15 252 992	15.7480	6.2828	4.03226	6.35001	779.11	48 305.1	5.51343
249	62 001	15 438 249	15.7797	6.2912	4.01606	6.33724	782.26	48 695.5	5.51745
250	62 500	15 625 000	15.8114	6.2996	4.00000	6.32456	785.40	49 087.4	5.52146

n	n^2	n^3	$\sqrt{n}$	$\sqrt[3]{n}$	$\frac{1\,000}{n}$	$\frac{100}{\sqrt{n}}$	πn	$\frac{\pi n^2}{4}$	$\log_e n$
250	62 500	15 625 000	15.8114	6.2996	4.00000	6.32456	785.40	49 087.4	5.52146
251	63 001	15 813 251	15.8430	6.3080	3.98406	6.31194	788.54	49 480.9	5.52545
252	63 504	16 003 008	15.8745	6.3164	3.96825	6 29941	791.68	49 875.9	5.52943
253	64 009	16 194 277	15.9060	6.3247	3.95257	6.28695	794.82	50 272.6	5.53339
254	64 516	16 387 064	15.9374	6.3330	3.93701	6.27456	797.96	50 670.7	5.53733
255	65 025	16 581 375	15.9687	6.3413	3.92157	6.26224	801.11	51 070.5	5.54126
256	65 536	16 777 216	16.0000	6.3496	3.90625	6.25000	804.25	51 471.9	5.54518
257	66 049	16 974 593	16.0312	6.3579	3.89105	6.23783	807.39	51 874.8	5.54908
258	66 564	17 173 512	16.0624	6.3661	3.87597	6.22573	810.53	52 279.2	5.55296
259	67 081	17 373 979	16.0935	6.3743	3.86100	6.21370	813.67	52 685.3	5.55683
260	67 600	17 576 000	16.1245	6.3825	3.84615	6.20174	816.81	53 092.9	5.56068
261	68 121	17 779 581	16.1555	6.3907	3.83142	6.18984	819.96	53 502.1	5.56452
262	68 644	17 984 728	16.1864	6.3988	3.81679	6.17802	823.10	53 912.9	5.56834
263	69 169	18 191 447	16.2173	6.4070	3.80228	6.16626	826.24	54 325.2	5.57215
264	69 696	18 399 744	16.2481	6.4151	3.78788	6.15457	829.38	54 739.1	5.57595
265	70 225	18 609 625	16.2788	6.4232	3.77358	6.14295	832.52	55 154.6	5.57973
266	70 756	18 821 096	16.3095	6.4312	3.75940	6.13139	835.66	55 571.6	5.58350
267	71 289	19 034 163	16.3401	6.4393	3.74532	6.11990	838.81	55 990.2	5.58725
268	71 824	19 248 832	16.3707	6.4473	3.73134	6.10847	841.95	56 410.4	5.59099
269	72 361	19 465 109	16.4012	6.4553	3.71747	6.09711	845.09	56 832.2	5.59471
270	72 900	19 683 000	16.4317	6.4633	3.70370	6.08581	848.23	57 255.5	5.59842
271	73 441	19 902 511	16.4621	6.4713	3.69004	6.07457	851.37	57 680.4	5.60212
272	73 984	20 123 648	16.4924	6.4792	3.67647	6.06339	854.51	58 106.9	5.60580
273	74 529	20 346 417	16.5227	6.4872	3.66300	6.05228	857.65	58 534.9	5.60947
274	75 076	20 570 824	16.5529	6.4951	3.64964	6.04122	860.80	58 964.6	5.61313
275	75 625	20 796 875	16.5831	6.5030	3.63636	6.03023	863.94	59 395.7	5.61677
276	76 176	21 024 576	16.6132	6.5108	3.62319	6.01929	867.08	59 828.5	5.62040
277	76 729	21 253 933	16.6433	6.5187	3.61011	6.00842	870.22	60 262.8	5.62402
278	77 284	21 484 952	16.6733	6.5265	3.59712	5.99760	873.36	60 698.7	5.62762
279	77 841	21 717 639	16.7033	6.5343	3.58423	5.98684	876.50	61 136.2	5.63121
280	78 400	21 952 000	16.7332	6.5421	3.57143	5.97614	879.65	61 575.2	5.63479
281	78 961	22 188 041	16.7631	6.5499	3.55872	5.96550	882.79	62 015.8	5.63835
282	79 524	22 425 768	16.7929	6.5577	3.54610	5.95491	885.93	62 458.0	5.64191
283	80 089	22 665 187	16.8226	6.5654	3.53357	5.94438	889.07	62 901.8	5.64545
284	80 656	22 906 304	16.8523	6.5731	3.52113	5.93391	892.21	63 347.1	5.64897
285	81 225	23 149 125	16.8819	6.5808	3.50877	5.92349	895.35	63 794.0	5.65249
286	81 796	23 393 656	16.9115	6.5885	3.49650	5.91312	898.50	64 242.4	5.65599
287	82 369	23 639 903	16.9411	6.5962	3.48432	5.90281	901.64	64 692.5	5.65948
288	82 944	23 887 872	16.9706	6.6039	3.47222	5.89256	904.78	65 144.1	5.66296
289	83 521	24 137 569	17.0000	6.6115	3.46021	5.88235	907.92	65 597.2	5.66643
290	84 100	24 389 000	17.0294	6.6191	3.44828	5.87220	911.06	66 052.0	5.66988
291	84 681	24 642 171	17.0587	6.6267	3.43643	5.86210	914.20	66 508.3	5.67332
292	85 264	24 897 088	17.0880	6.6343	3.42466	5.85206	917.35	66 966.2	5.67675
293	85 849	25 153 757	17.1172	6.6419	3.41297	5.84206	920.49	67 425.6	5.68017
294	86 436	25 412 184	17.1464	6.6494	3.40136	5.83212	923.63	67 886.7	5.68358
295	87 025	25 672 375	17.1756	6.6569	3.38983	5.82223	926.77	68 349.3	5.68698
296	87 616	25 934 336	17.2047	6.6644	3.37838	5.81238	929.91	68 813.4	5.69036
297	88 209	26 198 073	17.2337	6.6719	3.36700	5.80259	933.05	69 279.2	5.69373
298	88 804	26 463 592	17.2627	6.6794	3.35570	5.79284	936.19	69 746.5	5.69709
299	89 401	26 730 899	17.2916	6.6869	3.34448	5.78315	939.34	70 215.4	5.70044
300	90 000	27 000 000	17.3205	6.6943	3.33333	5.77350	942.48	70 685.8	5.70378

n	n^2	n^3	$\sqrt{n}$	$\sqrt[3]{n}$	$\frac{1\,000}{n}$	$\frac{100}{\sqrt{n}}$	πn	$\frac{\pi n^2}{4}$	$\log_e n$
300	90 000	27 000 000	17.3205	6.6943	3.33333	5.77350	942.48	70 685.8	5.70378
301	90 601	27 270 901	17.3494	6.7018	3.32226	5.76390	945.62	71 157.9	5.70711
302	91 204	27 543 608	17.3781	6.7092	3.31126	5.75435	948.76	71 631.5	5.71043
303	91 809	27 818 127	17.4069	6.7166	3.30033	5.74485	951.90	72 106.6	5.71373
304	92 416	28 094 464	17.4356	6.7240	3.28947	5.73539	955.04	72 583.4	5.71703
305	93 025	28 372 625	17.4642	6.7313	3.27869	5.72598	958.19	73 061.7	5.72031
306	93 636	28 652 616	17.4929	6.7387	3.26797	5.71662	961.33	73 541.5	5.72359
307	94 249	28 934 443	17.5214	6.7460	3.25733	5.70730	964.47	74 023.0	5.72685
308	94 864	29 218 112	17.5499	6.7533	3.24675	5.69803	967.61	74 506.0	5.73010
309	95 481	29 503 629	17.5784	6.7606	3.23625	5.68880	970.75	74 990.6	5.73334
310	96 100	29 791 000	17.6068	6.7679	3.22581	5.67962	973.89	75 476.8	5.73657
311	96 721	30 080 231	17.6352	6.7752	3.21543	5.67048	977.04	75 964.5	5.73979
312	97 344	30 371 328	17.6635	6.7824	3.20513	5.66139	980.18	76 453.8	5.74300
313	97 969	30 664 297	17.6918	2.7897	3.19489	5.65233	983.32	76 944.7	5.74620
314	98 596	30 959 144	17.7200	6.7969	3.18471	5.64333	986.46	77 437.1	5.74939
315	99 225	31 255 875	17.7482	6.8041	3.17460	5.63436	989.60	77 931.1	5.75257
316	99 856	31 554 496	17.7764	6.8113	3.16456	5.62544	992.74	78 426.7	5.75574
317	100 489	31 855 013	17.8045	6.8185	3.15457	5.61656	995.88	78 923.9	5.75890
318	101 124	32 157 432	17.8326	6.8256	3.14465	5.60772	999.03	79 422.6	5.76205
319	101 761	32 461 759	17.8606	6.8328	3.13480	5.59893	1 002.2	79 922.9	5.76519
320	102 400	32 768 000	17.8885	6.8399	3.12500	5.59017	1 005.3	80 424.8	5.76832
321	103 041	33 076 161	17.9165	6.8470	3.11526	5.58146	1 008.5	80 928.2	5.77144
322	103 684	33 386 248	17.9444	6.8541	3.10559	5.57278	1 011.6	81 433.2	5.77455
323	104 329	33 698 267	17.9722	6.8612	3.09598	5.56415	1 014.7	81 939.8	5.77765
324	104 976	34 012 224	18.0000	6.8683	3.08642	5.55556	1 017.9	82 448.0	5.78074
325	105 625	34 328 125	18.0278	6.8753	3.07692	5.54700	1 021.0	82 957.7	5.78383
326	106 276	34 645 976	18.0555	6.8824	3.06748	5.53849	1 024.2	83 469.0	5.78690
327	106 929	34 965 783	18.0831	6.8894	3.05810	5.53001	1 027.3	83 981.8	5.78996
328	107 584	35 287 552	18.1108	6.8964	3.04878	5.52158	1 030.4	84 496.3	5.79301
329	108 241	35 611 289	18.1384	6.9034	3.03951	5.51318	1 033.6	85 012.3	5.79606
330	108 900	35 937 000	18.1659	6.9104	3.03030	5.50482	1 036.7	85 529.9	5.79909
331	109 561	36 264 691	18.1934	6.9174	3.02115	5.49650	1 039.9	86 049.0	5.80212
332	110 224	36 594 368	18.2209	6.9244	3.01205	5.48821	1 043.0	86 569.7	5.80513
333	110 889	36 926 037	18.2483	6.9313	3.00300	5.47997	1 046.2	87 092.0	5.80814
334	111 556	37 259 704	18.2757	6.9382	2.99401	5.47176	1 049.3	87 615.9	5.81114
335	112 225	37 595 375	18.3030	6.9451	2.98507	5.46358	1 052.4	88 141.3	5.81413
336	112 896	37 933 056	18.3303	6.9521	2.97619	5.45545	1 055.6	88 668.3	5.81711
337	113 569	38 272 753	18.3576	6.9589	2.96736	5.44735	1 058.7	89 196.9	5.82008
338	114 244	38 614 472	18.3848	6.9658	2.95858	5.43928	1 061.9	89 727.0	5.82305
339	114 921	38 958 219	18.4120	6.9727	2.94985	5.43125	1 065.0	90 258.7	5.82600
340	115 600	39 304 000	18.4391	6.9795	2.94118	5.42326	1 068.1	90 792.0	5.82895
341	116 281	39 651 821	18.4662	6.9864	2.93255	5.41530	1 071.3	91 326.9	5.83188
342	116 964	40 001 688	18.4932	6.9932	2.92398	5.40738	1 074.4	91 863.3	5.83481
343	117 649	40 353 607	18.5203	7.0000	2.91545	5.39949	1 077.6	92 401.3	5.83773
344	118 336	40 707 584	18.5472	7.0068	2.90698	5.39164	1 080.7	92 940.9	5.84064
345	119 025	41 063 625	18.5742	7.0136	2.89855	5.38382	1 083.8	93 482.0	5.84354
346	119 716	41 421 736	18.6011	7.0203	2.89017	5.37603	1 087.0	94 024.7	5.84644
347	120 409	41 781 923	18.6279	7.0271	2.88184	5.36828	1 090.1	94 569.0	5.84932
348	121 104	42 144 192	18.6548	7.0338	2.87356	5.36056	1 093.3	95 114.9	5.85220
349	121 801	42 508 549	18.6815	7.0406	2.86533	5.35288	1 096.4	95 662.3	5.85507
350	122 500	42 875 000	18.7083	7.0473	2.85714	5.34522	1 099.6	96 211.3	5.85793