

Title: LAMBDAcontroller - Analog OUT [V]	Revision:
Document: 1002-0022-14	V8.0-0: First edition
Company: IMFsoft s.r.o.	V8.1-0: Added LAMBDA 1.0 curve
Author: Radek Taraba	V8.2-0: Added O2 1.0 curve
Date: 8.01.2018	V8.3-0: Added NERNST 450 curve (LSM 11)

LAMBDA controller - ANALOG OUT							
LAMBDA	LOG 2.5	NERNST 450	SENSE 1.5	LAMBDA 1.0	LINEAR 1.0	O2 [%]	O2 1.0
LAMBDA	AO [V]	AO [V]	AO [V]	AO [V]	AO [V]	O2 [%]	AO [V]
		LSM 11		LAMBDA = AO	0,333xAO+0,666		O2 = 7x(AO-1)
FAULT	0,100	0,1000	0,100	0,100	0,100	FAULT	0,100
0,7166	1,053	1,0000	0,000	0,717	0,150	-7,650	0,000
0,7174	1,058	0,9997	0,005	0,717	0,152	-7,619	0,000
0,7182	1,062	0,9994	0,010	0,718	0,155	-7,590	0,000
0,7190	1,067	0,9991	0,015	0,719	0,157	-7,561	0,000
0,7198	1,072	0,9988	0,020	0,720	0,159	-7,532	0,000
0,7205	1,076	0,9985	0,024	0,721	0,162	-7,503	0,000
0,7213	1,081	0,9982	0,029	0,721	0,164	-7,474	0,000
0,7220	1,085	0,9979	0,034	0,722	0,166	-7,445	0,000
0,7228	1,090	0,9976	0,039	0,723	0,168	-7,416	0,000
0,7235	1,094	0,9973	0,044	0,724	0,171	-7,387	0,000
0,7243	1,099	0,9970	0,049	0,724	0,173	-7,358	0,000
0,7250	1,103	0,9967	0,054	0,725	0,175	-7,329	0,000
0,7258	1,108	0,9964	0,059	0,726	0,177	-7,300	0,000
0,7265	1,112	0,9961	0,064	0,727	0,180	-7,271	0,000
0,7273	1,117	0,9958	0,068	0,727	0,182	-7,242	0,000
0,7280	1,121	0,9955	0,073	0,728	0,184	-7,213	0,000
0,7288	1,126	0,9952	0,078	0,729	0,186	-7,184	0,000
0,7295	1,130	0,9949	0,083	0,730	0,189	-7,155	0,000
0,7303	1,135	0,9946	0,088	0,730	0,191	-7,126	0,000
0,7310	1,139	0,9943	0,093	0,731	0,193	-7,097	0,000
0,7318	1,144	0,9940	0,098	0,732	0,195	-7,068	0,000
0,7325	1,148	0,9937	0,103	0,733	0,198	-7,039	0,000
0,7333	1,153	0,9934	0,108	0,733	0,200	-7,010	0,000
0,7340	1,157	0,9931	0,112	0,734	0,202	-6,981	0,003
0,7348	1,161	0,9928	0,117	0,735	0,204	-6,952	0,007
0,7355	1,166	0,9925	0,122	0,736	0,207	-6,923	0,011
0,7363	1,170	0,9922	0,127	0,736	0,209	-6,894	0,015
0,7370	1,175	0,9919	0,132	0,737	0,211	-6,865	0,019
0,7378	1,179	0,9916	0,137	0,738	0,213	-6,836	0,023
0,7385	1,184	0,9913	0,142	0,739	0,216	-6,807	0,028
0,7393	1,188	0,9910	0,147	0,739	0,218	-6,778	0,032
0,7400	1,192	0,9907	0,152	0,740	0,220	-6,749	0,036
0,7408	1,197	0,9904	0,156	0,741	0,222	-6,720	0,040
0,7415	1,201	0,9901	0,161	0,742	0,225	-6,690	0,044
0,7423	1,206	0,9898	0,166	0,742	0,227	-6,661	0,049
0,7430	1,210	0,9895	0,171	0,743	0,229	-6,632	0,054
0,7438	1,214	0,9892	0,176	0,744	0,231	-6,588	0,059
0,7445	1,219	0,9889	0,181	0,745	0,234	-6,554	0,064
0,7453	1,223	0,9886	0,186	0,745	0,236	-6,520	0,069
0,7460	1,227	0,9883	0,191	0,746	0,238	-6,486	0,073
0,7468	1,232	0,9880	0,196	0,747	0,240	-6,452	0,078
0,7475	1,236	0,9877	0,200	0,748	0,243	-6,418	0,083
0,7483	1,240	0,9874	0,205	0,748	0,245	-6,384	0,088
0,7490	1,245	0,9871	0,210	0,749	0,247	-6,350	0,093
0,7498	1,249	0,9868	0,215	0,750	0,249	-6,329	0,096
0,7505	1,254	0,9865	0,220	0,751	0,252	-6,308	0,099
0,7513	1,258	0,9862	0,225	0,751	0,254	-6,287	0,102
0,7520	1,262	0,9859	0,230	0,752	0,256	-6,266	0,105
0,7528	1,267	0,9856	0,235	0,753	0,258	-6,245	0,108
0,7535	1,271	0,9853	0,239	0,754	0,261	-6,224	0,111
0,7543	1,275	0,9850	0,244	0,754	0,263	-6,203	0,114
0,7550	1,279	0,9847	0,249	0,755	0,265	-6,182	0,117
0,7558	1,284	0,9844	0,254	0,756	0,267	-6,161	0,120
0,7565	1,288	0,9841	0,259	0,757	0,270	-6,140	0,123
0,7573	1,292	0,9838	0,264	0,757	0,272	-6,119	0,126
0,7580	1,297	0,9835	0,269	0,758	0,274	-6,098	0,129
0,7588	1,301	0,9832	0,274	0,759	0,276	-6,077	0,132
0,7595	1,305	0,9829	0,279	0,760	0,279	-6,056	0,135
0,7603	1,310	0,9826	0,283	0,760	0,281	-6,035	0,138
0,7610	1,314	0,9823	0,288	0,761	0,283	-6,014	0,141
0,7618	1,318	0,9820	0,293	0,762	0,285	-5,993	0,144
0,7625	1,322	0,9817	0,298	0,763	0,288	-5,972	0,147
0,7633	1,327	0,9814	0,303	0,763	0,290	-5,951	0,150

0,7640	1,331	0,9811	0,308	0,764	0,292	-5,930	0,153
0,7648	1,335	0,9808	0,313	0,765	0,294	-5,909	0,156
0,7655	1,339	0,9805	0,318	0,766	0,297	-5,888	0,159
0,7663	1,344	0,9802	0,323	0,766	0,299	-5,867	0,162
0,7670	1,348	0,9799	0,327	0,767	0,301	-5,846	0,165
0,7678	1,352	0,9796	0,332	0,768	0,303	-5,825	0,168
0,7685	1,356	0,9793	0,337	0,769	0,306	-5,804	0,171
0,7693	1,361	0,9790	0,342	0,769	0,308	-5,780	0,174
0,7700	1,365	0,9787	0,347	0,770	0,310	-5,757	0,178
0,7708	1,369	0,9784	0,352	0,771	0,312	-5,734	0,181
0,7715	1,373	0,9781	0,357	0,772	0,315	-5,711	0,184
0,7723	1,378	0,9778	0,362	0,772	0,317	-5,688	0,187
0,7730	1,382	0,9775	0,367	0,773	0,319	-5,665	0,191
0,7738	1,386	0,9772	0,371	0,774	0,321	-5,641	0,194
0,7745	1,390	0,9769	0,376	0,775	0,324	-5,618	0,197
0,7753	1,394	0,9766	0,381	0,775	0,326	-5,595	0,201
0,7760	1,399	0,9763	0,386	0,776	0,328	-5,572	0,204
0,7768	1,403	0,9760	0,391	0,777	0,330	-5,549	0,207
0,7775	1,407	0,9757	0,396	0,778	0,333	-5,526	0,211
0,7783	1,411	0,9754	0,401	0,778	0,335	-5,503	0,214
0,7790	1,415	0,9751	0,406	0,779	0,337	-5,480	0,217
0,7798	1,420	0,9748	0,411	0,780	0,339	-5,457	0,220
0,7805	1,424	0,9745	0,415	0,781	0,342	-5,434	0,224
0,7813	1,428	0,9742	0,420	0,781	0,344	-5,410	0,227
0,7820	1,432	0,9739	0,425	0,782	0,346	-5,387	0,230
0,7828	1,436	0,9736	0,430	0,783	0,348	-5,364	0,234
0,7835	1,440	0,9733	0,435	0,784	0,351	-5,341	0,237
0,7843	1,445	0,9730	0,440	0,784	0,353	-5,318	0,240
0,7850	1,449	0,9727	0,445	0,785	0,355	-5,295	0,244
0,7858	1,453	0,9724	0,450	0,786	0,357	-5,272	0,247
0,7865	1,457	0,9721	0,455	0,787	0,360	-5,249	0,250
0,7873	1,461	0,9718	0,459	0,787	0,362	-5,226	0,253
0,7880	1,465	0,9715	0,464	0,788	0,364	-5,202	0,257
0,7888	1,469	0,9712	0,469	0,789	0,366	-5,179	0,260
0,7895	1,474	0,9709	0,474	0,790	0,369	-5,156	0,263
0,7903	1,478	0,9706	0,479	0,790	0,371	-5,133	0,267
0,7910	1,482	0,9703	0,484	0,791	0,373	-5,110	0,270
0,7918	1,486	0,9700	0,489	0,792	0,375	-5,087	0,273
0,7925	1,490	0,9697	0,494	0,793	0,378	-5,064	0,277
0,7933	1,494	0,9694	0,499	0,793	0,380	-5,041	0,280
0,7940	1,498	0,9691	0,503	0,794	0,382	-5,018	0,283
0,7948	1,502	0,9688	0,508	0,795	0,384	-4,995	0,286
0,7955	1,506	0,9685	0,513	0,796	0,387	-4,971	0,290
0,7963	1,510	0,9682	0,518	0,796	0,389	-4,948	0,293
0,7970	1,515	0,9679	0,523	0,797	0,391	-4,925	0,296
0,7978	1,519	0,9676	0,528	0,798	0,393	-4,902	0,300
0,7985	1,523	0,9673	0,533	0,799	0,396	-4,879	0,303
0,7993	1,527	0,9670	0,538	0,799	0,398	-4,856	0,306
0,8000	1,531	0,9667	0,543	0,800	0,400	-4,830	0,310
0,8009	1,536	0,9664	0,547	0,801	0,403	-4,806	0,313
0,8017	1,540	0,9661	0,552	0,802	0,405	-4,781	0,317
0,8026	1,545	0,9655	0,557	0,803	0,408	-4,757	0,320
0,8034	1,549	0,9649	0,562	0,803	0,410	-4,732	0,324
0,8043	1,554	0,9643	0,567	0,804	0,413	-4,708	0,327
0,8051	1,558	0,9637	0,572	0,805	0,415	-4,684	0,331
0,8060	1,563	0,9631	0,577	0,806	0,418	-4,659	0,334
0,8068	1,568	0,9625	0,582	0,807	0,420	-4,635	0,338
0,8077	1,572	0,9619	0,587	0,808	0,423	-4,610	0,341
0,8085	1,577	0,9613	0,591	0,809	0,426	-4,586	0,345
0,8094	1,581	0,9607	0,596	0,809	0,428	-4,562	0,348
0,8102	1,586	0,9601	0,601	0,810	0,431	-4,537	0,352
0,8111	1,590	0,9595	0,606	0,811	0,433	-4,513	0,355
0,8119	1,595	0,9589	0,611	0,812	0,436	-4,488	0,359
0,8128	1,600	0,9583	0,616	0,813	0,438	-4,464	0,362
0,8136	1,604	0,9577	0,621	0,814	0,441	-4,440	0,366
0,8145	1,609	0,9571	0,626	0,814	0,443	-4,415	0,369
0,8153	1,613	0,9565	0,630	0,815	0,446	-4,391	0,373
0,8162	1,618	0,9559	0,635	0,816	0,448	-4,366	0,376
0,8170	1,622	0,9553	0,640	0,817	0,451	-4,342	0,380
0,8178	1,626	0,9547	0,645	0,818	0,453	-4,318	0,383
0,8185	1,630	0,9541	0,650	0,819	0,456	-4,293	0,387
0,8193	1,634	0,9535	0,655	0,819	0,458	-4,269	0,390
0,8200	1,638	0,9529	0,660	0,820	0,460	-4,244	0,394
0,8209	1,643	0,9523	0,665	0,821	0,463	-4,220	0,397
0,8218	1,647	0,9517	0,670	0,822	0,465	-4,196	0,401
0,8226	1,652	0,9511	0,674	0,823	0,468	-4,171	0,404
0,8235	1,657	0,9505	0,679	0,824	0,471	-4,147	0,408

0,8244	1,661	0,9499	0,684	0,824	0,473	-4,122	0,411
0,8253	1,666	0,9493	0,689	0,825	0,476	-4,098	0,415
0,8261	1,670	0,9487	0,694	0,826	0,478	-4,074	0,418
0,8270	1,675	0,9481	0,699	0,827	0,481	-4,049	0,422
0,8279	1,680	0,9475	0,704	0,828	0,484	-4,025	0,425
0,8288	1,684	0,9469	0,709	0,829	0,486	-4,000	0,429
0,8296	1,689	0,9464	0,714	0,830	0,489	-3,976	0,432
0,8305	1,693	0,9452	0,718	0,831	0,492	-3,952	0,435
0,8314	1,698	0,9440	0,723	0,831	0,494	-3,927	0,439
0,8323	1,703	0,9428	0,728	0,832	0,497	-3,903	0,442
0,8331	1,707	0,9416	0,733	0,833	0,499	-3,880	0,446
0,8340	1,712	0,9404	0,738	0,834	0,502	-3,853	0,450
0,8349	1,716	0,9392	0,743	0,835	0,505	-3,825	0,454
0,8358	1,721	0,9380	0,748	0,836	0,507	-3,798	0,457
0,8366	1,725	0,9368	0,753	0,837	0,510	-3,771	0,461
0,8375	1,730	0,9356	0,758	0,838	0,513	-3,744	0,465
0,8384	1,734	0,9344	0,762	0,838	0,515	-3,716	0,469
0,8393	1,739	0,9332	0,767	0,839	0,518	-3,689	0,473
0,8401	1,743	0,9320	0,772	0,840	0,520	-3,662	0,477
0,8410	1,748	0,9308	0,777	0,841	0,523	-3,634	0,481
0,8419	1,752	0,9296	0,782	0,842	0,526	-3,607	0,485
0,8428	1,757	0,9284	0,787	0,843	0,528	-3,580	0,489
0,8436	1,761	0,9272	0,792	0,844	0,531	-3,552	0,493
0,8445	1,766	0,9260	0,797	0,845	0,534	-3,525	0,496
0,8454	1,770	0,9248	0,802	0,845	0,536	-3,498	0,500
0,8463	1,775	0,9236	0,806	0,846	0,539	-3,471	0,504
0,8471	1,779	0,9224	0,811	0,847	0,541	-3,443	0,508
0,8480	1,784	0,9212	0,816	0,848	0,544	-3,416	0,512
0,8489	1,789	0,9200	0,821	0,849	0,547	-3,389	0,516
0,8499	1,793	0,9188	0,826	0,850	0,550	-3,360	0,520
0,8508	1,798	0,9176	0,831	0,851	0,552	-3,340	0,523
0,8517	1,803	0,9164	0,836	0,852	0,555	-3,320	0,526
0,8526	1,808	0,9152	0,841	0,853	0,558	-3,300	0,529
0,8536	1,812	0,9140	0,846	0,854	0,561	-3,280	0,531
0,8545	1,817	0,9128	0,850	0,854	0,563	-3,260	0,534
0,8554	1,822	0,9116	0,855	0,855	0,566	-3,240	0,537
0,8563	1,826	0,9104	0,860	0,856	0,569	-3,220	0,540
0,8573	1,831	0,9092	0,865	0,857	0,572	-3,200	0,543
0,8582	1,836	0,9080	0,870	0,858	0,575	-3,180	0,546
0,8591	1,840	0,9068	0,875	0,859	0,577	-3,160	0,549
0,8600	1,845	0,9056	0,880	0,860	0,580	-3,140	0,551
0,8610	1,850	0,9044	0,885	0,861	0,583	-3,120	0,554
0,8619	1,854	0,9032	0,890	0,862	0,586	-3,100	0,557
0,8628	1,859	0,9020	0,894	0,863	0,588	-3,080	0,560
0,8637	1,864	0,9008	0,899	0,864	0,591	-3,060	0,563
0,8647	1,868	0,8996	0,904	0,865	0,594	-3,040	0,566
0,8656	1,873	0,8984	0,909	0,866	0,597	-3,020	0,569
0,8665	1,878	0,8972	0,914	0,867	0,600	-3,000	0,571
0,8674	1,882	0,8960	0,919	0,867	0,602	-2,980	0,574
0,8684	1,887	0,8948	0,924	0,868	0,605	-2,960	0,577
0,8693	1,892	0,8936	0,929	0,869	0,608	-2,940	0,580
0,8702	1,896	0,8924	0,934	0,870	0,611	-2,920	0,583
0,8711	1,901	0,8912	0,938	0,871	0,613	-2,890	0,587
0,8721	1,905	0,8900	0,943	0,872	0,616	-2,859	0,592
0,8730	1,910	0,8888	0,948	0,873	0,619	-2,829	0,596
0,8739	1,915	0,8876	0,953	0,874	0,622	-2,799	0,600
0,8748	1,919	0,8864	0,958	0,875	0,624	-2,769	0,605
0,8758	1,924	0,8852	0,963	0,876	0,627	-2,738	0,609
0,8767	1,928	0,8840	0,968	0,877	0,630	-2,708	0,613
0,8776	1,933	0,8828	0,973	0,878	0,633	-2,678	0,617
0,8785	1,938	0,8816	0,978	0,879	0,636	-2,647	0,622
0,8795	1,942	0,8804	0,982	0,879	0,638	-2,617	0,626
0,8804	1,947	0,8792	0,987	0,880	0,641	-2,587	0,630
0,8813	1,951	0,8780	0,992	0,881	0,644	-2,556	0,635
0,8822	1,956	0,8768	0,997	0,882	0,647	-2,526	0,639
0,8832	1,960	0,8756	1,002	0,883	0,649	-2,496	0,643
0,8841	1,965	0,8744	1,007	0,884	0,652	-2,466	0,648
0,8850	1,969	0,8732	1,012	0,885	0,655	-2,435	0,652
0,8859	1,974	0,8720	1,017	0,886	0,658	-2,405	0,656
0,8869	1,979	0,8708	1,022	0,887	0,661	-2,375	0,661
0,8878	1,983	0,8696	1,026	0,888	0,663	-2,344	0,665
0,8887	1,988	0,8684	1,031	0,889	0,666	-2,314	0,669
0,8896	1,992	0,8672	1,036	0,890	0,669	-2,284	0,674
0,8906	1,997	0,8660	1,041	0,891	0,672	-2,253	0,678
0,8915	2,001	0,8648	1,046	0,891	0,674	-2,223	0,682
0,8924	2,006	0,8636	1,051	0,892	0,677	-2,193	0,687
0,8933	2,010	0,8624	1,056	0,893	0,680	-2,163	0,691

0,8943	2,015	0,8612	1,061	0,894	0,683	-2,132	0,695
0,8952	2,019	0,8600	1,065	0,895	0,686	-2,102	0,700
0,8961	2,024	0,8588	1,070	0,896	0,688	-2,072	0,704
0,8971	2,028	0,8576	1,075	0,897	0,691	-2,041	0,708
0,8981	2,033	0,8564	1,080	0,898	0,694	-2,011	0,713
0,8990	2,038	0,8552	1,085	0,899	0,697	-1,981	0,717
0,9000	2,042	0,8540	1,090	0,900	0,700	-1,950	0,721
0,9011	2,047	0,8528	1,095	0,901	0,703	-1,930	0,724
0,9021	2,053	0,8516	1,100	0,902	0,706	-1,909	0,727
0,9032	2,058	0,8504	1,105	0,903	0,709	-1,889	0,730
0,9042	2,063	0,8492	1,109	0,904	0,713	-1,868	0,733
0,9053	2,068	0,8480	1,114	0,905	0,716	-1,848	0,736
0,9063	2,073	0,8468	1,119	0,906	0,719	-1,828	0,739
0,9074	2,078	0,8456	1,124	0,907	0,722	-1,807	0,742
0,9084	2,083	0,8444	1,129	0,908	0,725	-1,787	0,745
0,9095	2,088	0,8432	1,134	0,909	0,728	-1,766	0,748
0,9105	2,093	0,8420	1,139	0,911	0,732	-1,746	0,751
0,9116	2,098	0,8408	1,144	0,912	0,735	-1,726	0,753
0,9126	2,103	0,8396	1,149	0,913	0,738	-1,705	0,756
0,9137	2,108	0,8384	1,153	0,914	0,741	-1,685	0,759
0,9147	2,113	0,8372	1,158	0,915	0,744	-1,664	0,762
0,9158	2,118	0,8360	1,163	0,916	0,747	-1,644	0,765
0,9168	2,123	0,8348	1,168	0,917	0,750	-1,624	0,768
0,9179	2,128	0,8336	1,173	0,918	0,754	-1,603	0,771
0,9189	2,133	0,8324	1,178	0,919	0,757	-1,583	0,774
0,9200	2,138	0,8312	1,183	0,920	0,760	-1,562	0,777
0,9210	2,143	0,8300	1,188	0,921	0,763	-1,542	0,780
0,9221	2,148	0,8288	1,193	0,922	0,766	-1,522	0,783
0,9231	2,152	0,8276	1,197	0,923	0,769	-1,501	0,786
0,9242	2,157	0,8264	1,202	0,924	0,772	-1,481	0,788
0,9252	2,162	0,8252	1,207	0,925	0,776	-1,460	0,791
0,9263	2,167	0,8240	1,212	0,926	0,779	-1,440	0,794
0,9273	2,172	0,8228	1,217	0,927	0,782	-1,420	0,797
0,9284	2,177	0,8216	1,222	0,928	0,785	-1,399	0,800
0,9294	2,182	0,8204	1,227	0,929	0,788	-1,379	0,803
0,9305	2,187	0,8192	1,232	0,930	0,791	-1,358	0,806
0,9315	2,192	0,8180	1,237	0,932	0,795	-1,338	0,809
0,9326	2,197	0,8168	1,241	0,933	0,798	-1,318	0,812
0,9336	2,202	0,8156	1,246	0,934	0,801	-1,297	0,815
0,9347	2,206	0,8144	1,251	0,935	0,804	-1,277	0,818
0,9357	2,211	0,8132	1,256	0,936	0,807	-1,256	0,821
0,9368	2,216	0,8120	1,261	0,937	0,810	-1,236	0,823
0,9378	2,221	0,8108	1,266	0,938	0,813	-1,216	0,826
0,9389	2,226	0,8094	1,271	0,939	0,817	-1,195	0,829
0,9399	2,231	0,8078	1,276	0,940	0,820	-1,175	0,832
0,9410	2,236	0,8060	1,281	0,941	0,823	-1,154	0,835
0,9420	2,241	0,8040	1,285	0,942	0,826	-1,134	0,838
0,9431	2,245	0,8018	1,290	0,943	0,829	-1,114	0,841
0,9441	2,250	0,7994	1,295	0,944	0,832	-1,093	0,844
0,9452	2,255	0,7968	1,300	0,945	0,835	-1,073	0,847
0,9462	2,260	0,7940	1,305	0,946	0,839	-1,052	0,850
0,9472	2,264	0,7910	1,310	0,947	0,841	-1,032	0,853
0,9481	2,269	0,7878	1,315	0,948	0,844	-1,012	0,855
0,9491	2,273	0,7844	1,320	0,949	0,847	-0,991	0,858
0,9500	2,277	0,7808	1,325	0,950	0,850	-0,970	0,861
0,9511	2,282	0,7770	1,329	0,951	0,853	-0,943	0,865
0,9523	2,288	0,7730	1,334	0,952	0,857	-0,916	0,869
0,9534	2,293	0,7680	1,339	0,953	0,860	-0,889	0,873
0,9545	2,298	0,7650	1,344	0,955	0,864	-0,862	0,877
0,9556	2,303	0,7620	1,349	0,956	0,867	-0,836	0,881
0,9568	2,308	0,7590	1,354	0,957	0,870	-0,809	0,884
0,9579	2,313	0,7560	1,359	0,958	0,874	-0,782	0,888
0,9590	2,318	0,7530	1,364	0,959	0,877	-0,755	0,892
0,9601	2,323	0,7490	1,369	0,960	0,880	-0,728	0,896
0,9613	2,328	0,7440	1,373	0,961	0,884	-0,701	0,900
0,9624	2,333	0,7380	1,378	0,962	0,887	-0,674	0,904
0,9635	2,339	0,7310	1,383	0,964	0,891	-0,647	0,908
0,9646	2,344	0,7225	1,388	0,965	0,894	-0,620	0,911
0,9658	2,349	0,7130	1,393	0,966	0,897	-0,593	0,915
0,9669	2,354	0,7028	1,398	0,967	0,901	-0,567	0,919
0,9680	2,359	0,6920	1,403	0,968	0,904	-0,540	0,923
0,9698	2,367	0,6808	1,408	0,970	0,909	-0,513	0,927
0,9715	2,374	0,6692	1,413	0,972	0,915	-0,486	0,931
0,9733	2,382	0,6572	1,417	0,973	0,920	-0,459	0,934
0,9750	2,390	0,6448	1,422	0,975	0,925	-0,432	0,938
0,9768	2,398	0,6320	1,427	0,977	0,930	-0,405	0,942
0,9785	2,406	0,6188	1,432	0,979	0,936	-0,378	0,946

0,9803	2,413	0,6052	1,437	0,980	0,941	-0,351	0,950
0,9820	2,421	0,5916	1,442	0,982	0,946	-0,324	0,954
0,9838	2,429	0,5780	1,447	0,984	0,951	-0,298	0,958
0,9855	2,437	0,5644	1,452	0,986	0,957	-0,271	0,961
0,9873	2,444	0,5508	1,457	0,987	0,962	-0,244	0,965
0,9890	2,452	0,5372	1,461	0,989	0,967	-0,217	0,969
0,9908	2,460	0,5236	1,466	0,991	0,972	-0,190	0,973
0,9925	2,467	0,5100	1,471	0,993	0,978	-0,163	0,977
0,9943	2,475	0,4956	1,476	0,994	0,983	-0,136	0,981
0,9960	2,483	0,4820	1,481	0,996	0,988	-0,109	0,984
0,9970	2,487	0,4740	1,486	0,997	0,991	-0,082	0,988
0,9980	2,491	0,4660	1,491	0,998	0,994	-0,055	0,992
0,9990	2,496	0,4580	1,496	0,999	0,997	-0,029	0,996
1,0000	2,500	0,4500	1,500	1,000	1,000	0,000	1,000
1,0025	2,504	0,4300	1,505	1,003	1,008	0,043	1,006
1,0050	2,507	0,4100	1,510	1,005	1,015	0,086	1,012
1,0075	2,511	0,3900	1,515	1,008	1,023	0,129	1,018
1,0100	2,514	0,3700	1,520	1,010	1,030	0,172	1,025
1,0125	2,518	0,3500	1,525	1,013	1,038	0,215	1,031
1,0150	2,522	0,3300	1,530	1,015	1,045	0,258	1,037
1,0175	2,525	0,3100	1,535	1,018	1,053	0,301	1,043
1,0200	2,529	0,2900	1,540	1,020	1,060	0,344	1,049
1,0220	2,532	0,2720	1,544	1,022	1,066	0,387	1,055
1,0240	2,534	0,2550	1,549	1,024	1,072	0,430	1,061
1,0260	2,537	0,2390	1,554	1,026	1,078	0,473	1,068
1,0280	2,540	0,2240	1,559	1,028	1,084	0,516	1,074
1,0300	2,543	0,2100	1,564	1,030	1,090	0,559	1,080
1,0320	2,546	0,1970	1,569	1,032	1,096	0,602	1,086
1,0340	2,548	0,1850	1,574	1,034	1,102	0,645	1,092
1,0360	2,551	0,1740	1,579	1,036	1,108	0,688	1,098
1,0380	2,554	0,1640	1,584	1,038	1,114	0,731	1,104
1,0400	2,557	0,1550	1,588	1,040	1,120	0,774	1,111
1,0420	2,560	0,1470	1,593	1,042	1,126	0,817	1,117
1,0440	2,562	0,1400	1,598	1,044	1,132	0,860	1,123
1,0460	2,565	0,1340	1,603	1,046	1,138	0,903	1,129
1,0480	2,568	0,1290	1,608	1,048	1,144	0,946	1,135
1,0500	2,571	0,1250	1,613	1,050	1,150	0,990	1,141
1,0520	2,574	0,1220	1,618	1,052	1,156	1,035	1,148
1,0544	2,577	0,1200	1,623	1,054	1,163	1,080	1,154
1,0568	2,580	0,1185	1,628	1,057	1,170	1,125	1,161
1,0592	2,583	0,1170	1,632	1,059	1,178	1,170	1,167
1,0616	2,587	0,1155	1,637	1,062	1,185	1,215	1,174
1,0640	2,590	0,1140	1,642	1,064	1,192	1,260	1,180
1,0664	2,593	0,1125	1,647	1,066	1,199	1,305	1,186
1,0688	2,597	0,1110	1,652	1,069	1,206	1,350	1,193
1,0712	2,600	0,1095	1,657	1,071	1,214	1,395	1,199
1,0736	2,603	0,1080	1,662	1,074	1,221	1,440	1,206
1,0760	2,606	0,1065	1,667	1,076	1,228	1,485	1,212
1,0784	2,609	0,1050	1,672	1,078	1,235	1,530	1,219
1,0808	2,613	0,1035	1,676	1,081	1,242	1,575	1,225
1,0830	2,616	0,1020	1,681	1,083	1,249	1,620	1,231
1,0852	2,619	0,1010	1,686	1,085	1,256	1,665	1,238
1,0874	2,622	0,1000	1,691	1,087	1,262	1,710	1,244
1,0896	2,624	0,0990	1,696	1,090	1,269	1,755	1,251
1,0918	2,627	0,0980	1,701	1,092	1,275	1,800	1,257
1,0940	2,630	0,0970	1,706	1,094	1,282	1,845	1,264
1,0962	2,633	0,0960	1,711	1,096	1,289	1,890	1,270
1,0984	2,636	0,0950	1,716	1,098	1,295	1,935	1,276
1,1006	2,639	0,0940	1,720	1,101	1,302	1,980	1,283
1,1028	2,642	0,0930	1,725	1,103	1,308	2,021	1,289
1,1050	2,645	0,0920	1,730	1,105	1,315	2,063	1,295
1,1072	2,648	0,0910	1,735	1,107	1,322	2,104	1,301
1,1094	2,651	0,0900	1,740	1,109	1,328	2,145	1,306
1,1116	2,653	0,0890	1,745	1,112	1,335	2,187	1,312
1,1138	2,656	0,0880	1,750	1,114	1,341	2,228	1,318
1,1160	2,659	0,0870	1,755	1,116	1,348	2,269	1,324
1,1182	2,662	0,0860	1,760	1,118	1,355	2,310	1,330
1,1204	2,665	0,0850	1,764	1,120	1,361	2,352	1,336
1,1226	2,668	0,0840	1,769	1,123	1,368	2,393	1,342
1,1248	2,671	0,0830	1,774	1,125	1,374	2,434	1,348
1,1270	2,673	0,0820	1,779	1,127	1,381	2,476	1,354
1,1292	2,676	0,0810	1,784	1,129	1,388	2,517	1,360
1,1314	2,679	0,0800	1,789	1,131	1,394	2,558	1,365
1,1336	2,682	0,0790	1,794	1,134	1,401	2,600	1,371
1,1358	2,685	0,0780	1,799	1,136	1,407	2,641	1,377
1,1380	2,688	0,0770	1,804	1,138	1,414	2,682	1,383
1,1402	2,690	0,0760	1,808	1,140	1,421	2,723	1,389

1,1424	2,693	0,0750	1,813	1,142	1,427	2,765	1,395
1,1446	2,696	0,0740	1,818	1,145	1,434	2,806	1,401
1,1468	2,699	0,0730	1,823	1,147	1,440	2,847	1,407
1,1490	2,701	0,0720	1,828	1,149	1,447	2,889	1,413
1,1512	2,704	0,0710	1,833	1,151	1,454	2,930	1,419
1,1548	2,709	0,0700	1,838	1,155	1,464	2,972	1,425
1,1584	2,713	0,0690	1,843	1,158	1,475	3,014	1,431
1,1619	2,718	0,0680	1,848	1,162	1,486	3,057	1,437
1,1655	2,722	0,0670	1,852	1,166	1,497	3,099	1,443
1,1694	2,727	0,0660	1,857	1,169	1,508	3,141	1,449
1,1733	2,732	0,0650	1,862	1,173	1,520	3,183	1,455
1,1771	2,737	0,0640	1,867	1,177	1,531	3,225	1,461
1,1810	2,741	0,0630	1,872	1,181	1,543	3,268	1,467
1,1847	2,746	0,0620	1,877	1,185	1,554	3,310	1,473
1,1884	2,750	0,0610	1,882	1,188	1,565	3,352	1,479
1,1920	2,755	0,0600	1,887	1,192	1,576	3,394	1,485
1,1957	2,759	0,0590	1,891	1,196	1,587	3,436	1,491
1,1994	2,764	0,0580	1,896	1,199	1,598	3,479	1,497
1,2031	2,768	0,0570	1,901	1,203	1,609	3,520	1,503
1,2067	2,773	0,0560	1,906	1,207	1,620	3,555	1,508
1,2104	2,777	0,0550	1,911	1,210	1,631	3,591	1,513
1,2141	2,781	0,0540	1,916	1,214	1,642	3,626	1,518
1,2178	2,786	0,0530	1,921	1,218	1,653	3,662	1,523
1,2214	2,790	0,0520	1,926	1,221	1,664	3,697	1,528
1,2251	2,794	0,0510	1,931	1,225	1,675	3,732	1,533
1,2288	2,799	0,0500	1,935	1,229	1,686	3,768	1,538
1,2325	2,803	0,0490	1,940	1,232	1,697	3,803	1,543
1,2361	2,807	0,0480	1,945	1,236	1,708	3,839	1,548
1,2398	2,812	0,0470	1,950	1,240	1,719	3,874	1,553
1,2435	2,816	0,0460	1,955	1,243	1,730	3,909	1,558
1,2472	2,820	0,0450	1,960	1,247	1,741	3,945	1,564
1,2508	2,825	0,0440	1,965	1,251	1,752	3,980	1,569
1,2545	2,829	0,0430	1,970	1,255	1,764	4,032	1,576
1,2582	2,833	0,0420	1,975	1,258	1,775	4,083	1,583
1,2619	2,837	0,0410	1,979	1,262	1,786	4,135	1,591
1,2655	2,842	0,0400	1,984	1,266	1,797	4,186	1,598
1,2692	2,846	0,0390	1,989	1,269	1,808	4,238	1,605
1,2729	2,850	0,0380	1,994	1,273	1,819	4,289	1,613
1,2766	2,854	0,0370	1,999	1,277	1,830	4,341	1,620
1,2802	2,858	0,0360	2,004	1,280	1,841	4,392	1,627
1,2839	2,862	0,0350	2,009	1,284	1,852	4,444	1,635
1,2876	2,867	0,0340	2,014	1,288	1,863	4,495	1,642
1,2913	2,871	0,0330	2,019	1,291	1,874	4,547	1,650
1,2949	2,875	0,0320	2,023	1,295	1,885	4,598	1,657
1,2986	2,879	0,0310	2,028	1,299	1,896	4,650	1,664
1,3023	2,883	0,0300	2,033	1,302	1,907	4,700	1,671
1,3060	2,887	0,0290	2,038	1,306	1,918	4,743	1,678
1,3096	2,891	0,0280	2,043	1,310	1,929	4,786	1,684
1,3133	2,895	0,0270	2,048	1,313	1,940	4,829	1,690
1,3170	2,899	0,0260	2,053	1,317	1,951	4,872	1,696
1,3207	2,903	0,0250	2,058	1,321	1,962	4,915	1,702
1,3243	2,907	0,0240	2,063	1,324	1,973	4,958	1,708
1,3280	2,911	0,0230	2,067	1,328	1,984	5,001	1,714
1,3317	2,915	0,0220	2,072	1,332	1,995	5,044	1,721
1,3354	2,919	0,0210	2,077	1,335	2,006	5,087	1,727
1,3390	2,923	0,0200	2,082	1,339	2,017	5,130	1,733
1,3427	2,927	0,0200	2,087	1,343	2,028	5,173	1,739
1,3464	2,931	0,0200	2,092	1,346	2,039	5,216	1,745
1,3501	2,935	0,0200	2,097	1,350	2,050	5,260	1,751
1,3537	2,939	0,0200	2,102	1,354	2,061	5,303	1,758
1,3574	2,943	0,0200	2,107	1,357	2,072	5,346	1,764
1,3611	2,947	0,0200	2,111	1,361	2,083	5,389	1,770
1,3648	2,951	0,0200	2,116	1,365	2,094	5,432	1,776
1,3684	2,955	0,0200	2,121	1,368	2,105	5,475	1,782
1,3721	2,959	0,0200	2,126	1,372	2,116	5,517	1,788
1,3758	2,963	0,0200	2,131	1,376	2,127	5,560	1,794
1,3795	2,967	0,0200	2,136	1,379	2,138	5,603	1,800
1,3831	2,970	0,0200	2,141	1,383	2,149	5,646	1,807
1,3868	2,974	0,0200	2,146	1,387	2,160	5,689	1,813
1,3905	2,978	0,0200	2,151	1,390	2,171	5,732	1,819
1,3942	2,982	0,0200	2,155	1,394	2,182	5,775	1,825
1,3978	2,986	0,0200	2,160	1,398	2,193	5,818	1,831
1,4015	2,990	0,0200	2,165	1,402	2,205	5,860	1,837
1,4052	2,993	0,0200	2,170	1,405	2,216	5,900	1,843
1,4089	2,997	0,0200	2,175	1,409	2,227	5,940	1,849
1,4125	3,001	0,0200	2,180	1,413	2,238	5,980	1,854
1,4162	3,005	0,0200	2,185	1,416	2,249	6,020	1,860

1,4197	3,008	0,0200	2,190	1,420	2,259	6,060	1,866
1,4231	3,012	0,0200	2,195	1,423	2,269	6,100	1,871
1,4266	3,015	0,0200	2,199	1,427	2,280	6,140	1,877
1,4300	3,019	0,0200	2,204	1,430	2,290	6,180	1,883
1,4343	3,023	0,0200	2,209	1,434	2,303	6,220	1,889
1,4385	3,027	0,0200	2,214	1,439	2,316	6,260	1,894
1,4428	3,032	0,0200	2,219	1,443	2,328	6,300	1,900
1,4470	3,036	0,0200	2,224	1,447	2,341	6,340	1,906
1,4513	3,040	0,0200	2,229	1,451	2,354	6,380	1,911
1,4555	3,044	0,0200	2,234	1,456	2,367	6,421	1,917
1,4598	3,049	0,0200	2,239	1,460	2,379	6,462	1,923
1,4640	3,053	0,0200	2,243	1,464	2,392	6,502	1,929
1,4683	3,057	0,0200	2,248	1,468	2,405	6,543	1,935
1,4725	3,061	0,0200	2,253	1,473	2,418	6,584	1,941
1,4768	3,065	0,0200	2,258	1,477	2,430	6,625	1,946
1,4810	3,070	0,0200	2,263	1,481	2,443	6,666	1,952
1,4853	3,074	0,0200	2,268	1,485	2,456	6,706	1,958
1,4895	3,078	0,0200	2,273	1,490	2,469	6,747	1,964
1,4938	3,082	0,0200	2,278	1,494	2,481	6,788	1,970
1,4980	3,086	0,0200	2,283	1,498	2,494	6,829	1,976
1,5023	3,090	0,0200	2,287	1,502	2,507	6,870	1,981
1,5065	3,094	0,0200	2,292	1,507	2,520	6,905	1,986
1,5108	3,099	0,0200	2,297	1,511	2,532	6,940	1,991
1,5150	3,103	0,0200	2,302	1,515	2,545	6,974	1,996
1,5193	3,107	0,0200	2,307	1,519	2,558	7,009	2,001
1,5235	3,111	0,0200	2,312	1,524	2,571	7,044	2,006
1,5278	3,115	0,0200	2,317	1,528	2,583	7,079	2,011
1,5320	3,119	0,0200	2,322	1,532	2,596	7,114	2,016
1,5363	3,123	0,0200	2,326	1,536	2,609	7,148	2,021
1,5405	3,127	0,0200	2,331	1,541	2,622	7,183	2,026
1,5448	3,131	0,0200	2,336	1,545	2,634	7,218	2,031
1,5490	3,135	0,0200	2,341	1,549	2,647	7,253	2,036
1,5533	3,139	0,0200	2,346	1,553	2,660	7,288	2,041
1,5575	3,143	0,0200	2,351	1,558	2,673	7,322	2,046
1,5618	3,147	0,0200	2,356	1,562	2,685	7,357	2,051
1,5660	3,151	0,0200	2,361	1,566	2,698	7,392	2,056
1,5703	3,155	0,0200	2,366	1,570	2,711	7,427	2,061
1,5745	3,158	0,0200	2,370	1,575	2,724	7,462	2,066
1,5788	3,162	0,0200	2,375	1,579	2,736	7,496	2,071
1,5830	3,166	0,0200	2,380	1,583	2,749	7,531	2,076
1,5873	3,170	0,0200	2,385	1,587	2,762	7,566	2,081
1,5915	3,174	0,0200	2,390	1,592	2,775	7,601	2,086
1,5958	3,178	0,0200	2,395	1,596	2,787	7,636	2,091
1,6000	3,182	0,0200	2,400	1,600	2,800	7,670	2,096
1,6043	3,186	0,0200	2,405	1,604	2,813	7,702	2,100
1,6085	3,189	0,0200	2,410	1,609	2,826	7,733	2,105
1,6128	3,193	0,0200	2,414	1,613	2,838	7,765	2,109
1,6170	3,197	0,0200	2,419	1,617	2,851	7,797	2,114
1,6213	3,201	0,0200	2,424	1,621	2,864	7,829	2,118
1,6255	3,205	0,0200	2,429	1,626	2,877	7,860	2,123
1,6298	3,208	0,0200	2,434	1,630	2,889	7,892	2,127
1,6340	3,212	0,0200	2,439	1,634	2,902	7,924	2,132
1,6383	3,216	0,0200	2,444	1,638	2,915	7,955	2,136
1,6425	3,220	0,0200	2,449	1,643	2,928	7,987	2,141
1,6468	3,224	0,0200	2,454	1,647	2,940	8,019	2,146
1,6510	3,227	0,0200	2,458	1,651	2,953	8,050	2,150
1,6553	3,231	0,0200	2,463	1,655	2,966	8,082	2,155
1,6595	3,235	0,0200	2,468	1,660	2,979	8,114	2,159
1,6638	3,238	0,0200	2,473	1,664	2,991	8,146	2,164
1,6680	3,242	0,0200	2,478	1,668	3,004	8,177	2,168
1,6723	3,246	0,0200	2,483	1,672	3,017	8,209	2,173
1,6765	3,250	0,0200	2,488	1,677	3,030	8,241	2,177
1,6808	3,253	0,0200	2,493	1,681	3,042	8,272	2,182
1,6850	3,257	0,0200	2,498	1,685	3,055	8,304	2,186
1,6893	3,260	0,0200	2,502	1,689	3,068	8,336	2,191
1,6935	3,264	0,0200	2,507	1,694	3,081	8,367	2,195
1,6978	3,268	0,0200	2,512	1,698	3,093	8,399	2,200
1,7020	3,271	0,0200	2,517	1,702	3,106	8,430	2,204
1,7093	3,278	0,0200	2,522	1,709	3,128	8,472	2,210
1,7165	3,284	0,0200	2,527	1,717	3,150	8,514	2,216
1,7238	3,290	0,0200	2,532	1,724	3,171	8,556	2,222
1,7310	3,296	0,0200	2,537	1,731	3,193	8,598	2,228
1,7383	3,302	0,0200	2,542	1,738	3,215	8,640	2,234
1,7455	3,308	0,0200	2,546	1,746	3,237	8,682	2,240
1,7528	3,314	0,0200	2,551	1,753	3,258	8,724	2,246
1,7600	3,320	0,0200	2,556	1,760	3,280	8,766	2,252
1,7673	3,326	0,0200	2,561	1,767	3,302	8,808	2,258

1,7745	3,332	0,0200	2,566	1,775	3,324	8,850	2,264
1,7818	3,338	0,0200	2,571	1,782	3,345	8,892	2,270
1,7890	3,344	0,0200	2,576	1,789	3,367	8,934	2,276
1,7963	3,350	0,0200	2,581	1,796	3,389	8,976	2,282
1,8035	3,355	0,0200	2,586	1,804	3,411	9,018	2,288
1,8108	3,361	0,0200	2,590	1,811	3,432	9,060	2,294
1,8180	3,367	0,0200	2,595	1,818	3,454	9,100	2,300
1,8253	3,373	0,0200	2,600	1,825	3,476	9,148	2,307
1,8325	3,379	0,0200	2,605	1,833	3,498	9,195	2,314
1,8398	3,384	0,0200	2,610	1,840	3,519	9,243	2,320
1,8470	3,390	0,0200	2,615	1,847	3,541	9,290	2,327
1,8543	3,396	0,0200	2,620	1,854	3,563	9,338	2,334
1,8615	3,401	0,0200	2,625	1,862	3,585	9,385	2,341
1,8688	3,407	0,0200	2,630	1,869	3,606	9,433	2,348
1,8760	3,413	0,0200	2,634	1,876	3,628	9,480	2,354
1,8833	3,418	0,0200	2,639	1,883	3,650	9,528	2,361
1,8905	3,424	0,0200	2,644	1,891	3,672	9,575	2,368
1,8978	3,429	0,0200	2,649	1,898	3,693	9,623	2,375
1,9050	3,435	0,0200	2,654	1,905	3,715	9,670	2,381
1,9123	3,440	0,0200	2,659	1,912	3,737	9,710	2,387
1,9195	3,446	0,0200	2,664	1,920	3,759	9,750	2,393
1,9268	3,451	0,0200	2,669	1,927	3,780	9,790	2,399
1,9340	3,457	0,0200	2,674	1,934	3,802	9,830	2,404
1,9413	3,462	0,0200	2,678	1,941	3,824	9,870	2,410
1,9485	3,468	0,0200	2,683	1,949	3,846	9,910	2,416
1,9558	3,473	0,0200	2,688	1,956	3,867	9,950	2,421
1,9630	3,478	0,0200	2,693	1,963	3,889	9,990	2,427
1,9714	3,485	0,0200	2,698	1,971	3,914	10,030	2,433
1,9798	3,491	0,0200	2,703	1,980	3,939	10,070	2,439
1,9881	3,497	0,0200	2,708	1,988	3,964	10,110	2,444
1,9965	3,503	0,0200	2,713	1,997	3,990	10,150	2,450
2,0049	3,509	0,0200	2,717	2,005	4,015	10,190	2,456
2,0133	3,515	0,0200	2,722	2,013	4,040	10,227	2,461
2,0216	3,521	0,0200	2,727	2,022	4,065	10,264	2,466
2,0300	3,527	0,0200	2,732	2,030	4,090	10,301	2,472
2,0384	3,533	0,0200	2,737	2,038	4,100	10,339	2,477
2,0468	3,539	0,0200	2,742	2,047	4,100	10,376	2,482
2,0551	3,545	0,0200	2,747	2,055	4,100	10,413	2,488
2,0635	3,551	0,0200	2,752	2,064	4,100	10,450	2,493
2,0719	3,557	0,0200	2,757	2,072	4,100	10,487	2,498
2,0803	3,563	0,0200	2,761	2,080	4,100	10,524	2,503
2,0886	3,568	0,0200	2,766	2,089	4,100	10,562	2,509
2,0970	3,574	0,0200	2,771	2,097	4,100	10,599	2,514
2,1054	3,580	0,0200	2,776	2,105	4,100	10,636	2,519
2,1138	3,586	0,0200	2,781	2,114	4,100	10,673	2,525
2,1221	3,591	0,0200	2,786	2,122	4,100	10,710	2,530
2,1305	3,597	0,0200	2,791	2,131	4,100	10,747	2,535
2,1389	3,603	0,0200	2,796	2,139	4,100	10,784	2,541
2,1473	3,608	0,0200	2,801	2,147	4,100	10,822	2,546
2,1556	3,614	0,0200	2,805	2,156	4,100	10,859	2,551
2,1640	3,620	0,0200	2,810	2,164	4,100	10,896	2,557
2,1724	3,625	0,0200	2,815	2,172	4,100	10,933	2,562
2,1808	3,631	0,0200	2,820	2,181	4,100	10,970	2,567
2,1891	3,637	0,0200	2,825	2,189	4,100	11,007	2,572
2,1975	3,642	0,0200	2,830	2,198	4,100	11,044	2,578
2,2059	3,648	0,0200	2,835	2,206	4,100	11,082	2,583
2,2143	3,653	0,0200	2,840	2,214	4,100	11,119	2,588
2,2226	3,659	0,0200	2,845	2,223	4,100	11,156	2,594
2,2310	3,664	0,0200	2,849	2,231	4,100	11,193	2,599
2,2394	3,669	0,0200	2,854	2,239	4,100	11,230	2,604
2,2478	3,675	0,0200	2,859	2,248	4,100	11,267	2,610
2,2561	3,680	0,0200	2,864	2,256	4,100	11,305	2,615
2,2645	3,686	0,0200	2,869	2,265	4,100	11,342	2,620
2,2729	3,691	0,0200	2,874	2,273	4,100	11,379	2,626
2,2813	3,696	0,0200	2,879	2,281	4,100	11,416	2,631
2,2896	3,702	0,0200	2,884	2,290	4,100	11,453	2,636
2,2980	3,707	0,0200	2,889	2,298	4,100	11,490	2,641
2,3064	3,712	0,0200	2,893	2,306	4,100	11,527	2,647
2,3148	3,717	0,0200	2,898	2,315	4,100	11,565	2,652
2,3231	3,723	0,0200	2,903	2,323	4,100	11,602	2,657
2,3315	3,728	0,0200	2,908	2,332	4,100	11,639	2,663
2,3399	3,733	0,0200	2,913	2,340	4,100	11,676	2,668
2,3483	3,738	0,0200	2,918	2,348	4,100	11,713	2,673
2,3566	3,743	0,0200	2,923	2,357	4,100	11,750	2,679
2,3650	3,749	0,0200	2,928	2,365	4,100	11,787	2,684
2,3734	3,754	0,0200	2,933	2,373	4,100	11,825	2,689
2,3818	3,759	0,0200	2,937	2,382	4,100	11,862	2,695

2,3901	3,764	0,0200	2,942	2,390	4,100	11,899	2,700
2,3985	3,769	0,0200	2,947	2,399	4,100	11,936	2,705
2,4069	3,774	0,0200	2,952	2,407	4,100	11,973	2,710
2,4153	3,779	0,0200	2,957	2,415	4,100	12,010	2,716
2,4236	3,784	0,0200	2,962	2,424	4,100	12,048	2,721
2,4320	3,789	0,0200	2,967	2,432	4,100	12,085	2,726
2,4465	3,798	0,0200	2,972	2,447	4,100	12,122	2,732
2,4610	3,806	0,0200	2,977	2,461	4,100	12,159	2,737
2,4755	3,815	0,0200	2,981	2,476	4,100	12,196	2,742
2,4900	3,823	0,0200	2,986	2,490	4,100	12,233	2,748
2,5045	3,832	0,0200	2,991	2,505	4,100	12,270	2,753
2,5190	3,840	0,0200	2,996	2,519	4,100	12,312	2,759
2,5335	3,848	0,0200	3,001	2,534	4,100	12,354	2,765
2,5480	3,857	0,0200	3,006	2,548	4,100	12,396	2,771
2,5625	3,865	0,0200	3,011	2,563	4,100	12,438	2,777
2,5770	3,873	0,0200	3,016	2,577	4,100	12,480	2,783
2,5915	3,881	0,0200	3,021	2,592	4,100	12,522	2,789
2,6060	3,889	0,0200	3,025	2,606	4,100	12,564	2,795
2,6205	3,897	0,0200	3,030	2,621	4,100	12,606	2,801
2,6350	3,905	0,0200	3,035	2,635	4,100	12,648	2,807
2,6495	3,913	0,0200	3,040	2,650	4,100	12,690	2,813
2,6640	3,921	0,0200	3,045	2,664	4,100	12,732	2,819
2,6785	3,929	0,0200	3,050	2,679	4,100	12,774	2,825
2,6930	3,937	0,0200	3,055	2,693	4,100	12,816	2,831
2,7075	3,945	0,0200	3,060	2,708	4,100	12,858	2,837
2,7220	3,953	0,0200	3,065	2,722	4,100	12,900	2,843
2,7365	3,960	0,0200	3,069	2,737	4,100	12,942	2,849
2,7510	3,968	0,0200	3,074	2,751	4,100	12,984	2,855
2,7655	3,976	0,0200	3,079	2,766	4,100	13,026	2,861
2,7800	3,983	0,0200	3,084	2,780	4,100	13,068	2,867
2,7945	3,991	0,0200	3,089	2,795	4,100	13,110	2,873
2,8090	3,998	0,0200	3,094	2,809	4,100	13,152	2,879
2,8235	4,006	0,0200	3,099	2,824	4,100	13,194	2,885
2,8380	4,013	0,0200	3,104	2,838	4,100	13,236	2,891
2,8525	4,020	0,0200	3,109	2,853	4,100	13,278	2,897
2,8670	4,028	0,0200	3,113	2,867	4,100	13,320	2,903
2,8815	4,035	0,0200	3,118	2,882	4,100	13,362	2,909
2,8960	4,042	0,0200	3,123	2,896	4,100	13,404	2,915
2,9105	4,050	0,0200	3,128	2,911	4,100	13,446	2,921
2,9250	4,057	0,0200	3,133	2,925	4,100	13,488	2,927
2,9395	4,064	0,0200	3,138	2,940	4,100	13,530	2,933
2,9540	4,071	0,0200	3,143	2,954	4,100	13,572	2,939
2,9685	4,078	0,0200	3,148	2,969	4,100	13,614	2,945
2,9830	4,085	0,0200	3,152	2,983	4,100	13,656	2,951
2,9975	4,092	0,0200	3,157	2,998	4,100	13,698	2,957
3,0120	4,099	0,0200	3,162	3,012	4,100	13,740	2,963
3,0265	4,100	0,0200	3,167	3,027	4,100	13,778	2,968
3,0410	4,100	0,0200	3,172	3,041	4,100	13,817	2,974
3,0555	4,100	0,0200	3,177	3,056	4,100	13,855	2,979
3,0700	4,100	0,0200	3,182	3,070	4,100	13,893	2,985
3,0845	4,100	0,0200	3,187	3,085	4,100	13,932	2,990
3,0990	4,100	0,0200	3,192	3,099	4,100	13,970	2,996
3,1135	4,100	0,0200	3,196	3,114	4,100	14,008	3,001
3,1280	4,100	0,0200	3,201	3,128	4,100	14,046	3,007
3,1425	4,100	0,0200	3,206	3,143	4,100	14,085	3,012
3,1570	4,100	0,0200	3,211	3,157	4,100	14,123	3,018
3,1715	4,100	0,0200	3,216	3,172	4,100	14,161	3,023
3,1860	4,100	0,0200	3,221	3,186	4,100	14,200	3,029
3,2005	4,100	0,0200	3,226	3,201	4,100	14,238	3,034
3,2150	4,100	0,0200	3,231	3,215	4,100	14,276	3,039
3,2295	4,100	0,0200	3,236	3,230	4,100	14,315	3,045
3,2440	4,100	0,0200	3,240	3,244	4,100	14,353	3,050
3,2585	4,100	0,0200	3,245	3,259	4,100	14,391	3,056
3,2730	4,100	0,0200	3,250	3,273	4,100	14,429	3,061
3,2875	4,100	0,0200	3,255	3,288	4,100	14,468	3,067
3,3020	4,100	0,0200	3,260	3,302	4,100	14,506	3,072
3,3165	4,100	0,0200	3,265	3,317	4,100	14,544	3,078
3,3310	4,100	0,0200	3,270	3,331	4,100	14,583	3,083
3,3455	4,100	0,0200	3,275	3,346	4,100	14,621	3,089
3,3600	4,100	0,0200	3,280	3,360	4,100	14,659	3,094
3,3900	4,100	0,0200	3,284	3,390	4,100	14,698	3,100
3,4200	4,100	0,0200	3,289	3,420	4,100	14,736	3,105
3,4500	4,100	0,0200	3,294	3,450	4,100	14,774	3,111
3,4800	4,100	0,0200	3,299	3,480	4,100	14,812	3,116
3,5100	4,100	0,0200	3,304	3,510	4,100	14,850	3,121
3,5400	4,100	0,0200	3,309	3,540	4,100	14,888	3,127
3,5700	4,100	0,0200	3,314	3,570	4,100	14,925	3,132

3,6000	4,100	0,0200	3,319	3,600	4,100	14,963	3,138
3,6300	4,100	0,0200	3,324	3,630	4,100	15,000	3,143
3,6600	4,100	0,0200	3,328	3,660	4,100	15,038	3,148
3,6900	4,100	0,0200	3,333	3,690	4,100	15,075	3,154
3,7200	4,100	0,0200	3,338	3,720	4,100	15,113	3,159
3,7500	4,100	0,0200	3,343	3,750	4,100	15,150	3,164
3,7800	4,100	0,0200	3,348	3,780	4,100	15,188	3,170
3,8100	4,100	0,0200	3,353	3,810	4,100	15,225	3,175
3,8400	4,100	0,0200	3,358	3,840	4,100	15,263	3,180
3,8700	4,100	0,0200	3,363	3,870	4,100	15,300	3,186
3,9000	4,100	0,0200	3,368	3,900	4,100	15,338	3,191
3,9300	4,100	0,0200	3,372	3,930	4,100	15,375	3,196
3,9600	4,100	0,0200	3,377	3,960	4,100	15,413	3,202
3,9900	4,100	0,0200	3,382	3,990	4,100	15,450	3,207
4,0200	4,100	0,0200	3,387	4,020	4,100	15,482	3,212
4,0500	4,100	0,0200	3,392	4,050	4,100	15,513	3,216
4,0800	4,100	0,0200	3,397	4,080	4,100	15,545	3,221
4,1100	4,100	0,0200	3,402	4,100	4,100	15,576	3,225
4,1400	4,100	0,0200	3,407	4,100	4,100	15,608	3,230
4,1700	4,100	0,0200	3,412	4,100	4,100	15,639	3,234
4,2000	4,100	0,0200	3,416	4,100	4,100	15,671	3,239
4,2300	4,100	0,0200	3,421	4,100	4,100	15,702	3,243
4,2600	4,100	0,0200	3,426	4,100	4,100	15,734	3,248
4,2900	4,100	0,0200	3,431	4,100	4,100	15,765	3,252
4,3200	4,100	0,0200	3,436	4,100	4,100	15,797	3,257
4,3500	4,100	0,0200	3,441	4,100	4,100	15,828	3,261
4,3800	4,100	0,0200	3,446	4,100	4,100	15,860	3,266
4,4100	4,100	0,0200	3,451	4,100	4,100	15,891	3,270
4,4400	4,100	0,0200	3,456	4,100	4,100	15,923	3,275
4,4700	4,100	0,0200	3,460	4,100	4,100	15,954	3,279
4,5000	4,100	0,0200	3,465	4,100	4,100	15,986	3,284
4,5300	4,100	0,0200	3,470	4,100	4,100	16,017	3,288
4,5600	4,100	0,0200	3,475	4,100	4,100	16,049	3,293
4,5900	4,100	0,0200	3,480	4,100	4,100	16,080	3,297
4,6200	4,100	0,0200	3,485	4,100	4,100	16,112	3,302
4,6500	4,100	0,0200	3,490	4,100	4,100	16,143	3,306
4,6800	4,100	0,0200	3,495	4,100	4,100	16,175	3,311
4,7100	4,100	0,0200	3,500	4,100	4,100	16,206	3,315
4,7400	4,100	0,0200	3,504	4,100	4,100	16,238	3,320
4,7700	4,100	0,0200	3,509	4,100	4,100	16,269	3,324
4,8000	4,100	0,0200	3,514	4,100	4,100	16,301	3,329
4,8300	4,100	0,0200	3,519	4,100	4,100	16,332	3,333
4,8600	4,100	0,0200	3,524	4,100	4,100	16,364	3,338
4,8900	4,100	0,0200	3,529	4,100	4,100	16,395	3,342
4,9200	4,100	0,0200	3,534	4,100	4,100	16,427	3,347
4,9500	4,100	0,0200	3,539	4,100	4,100	16,458	3,351
4,9800	4,100	0,0200	3,543	4,100	4,100	16,490	3,356
5,0100	4,100	0,0200	3,548	4,100	4,100	16,522	3,360
5,0400	4,100	0,0200	3,553	4,100	4,100	16,554	3,365
5,0700	4,100	0,0200	3,558	4,100	4,100	16,586	3,369
5,1000	4,100	0,0200	3,563	4,100	4,100	16,618	3,374
5,1300	4,100	0,0200	3,568	4,100	4,100	16,651	3,379
5,1600	4,100	0,0200	3,573	4,100	4,100	16,683	3,383
5,1900	4,100	0,0200	3,578	4,100	4,100	16,715	3,388
5,2200	4,100	0,0200	3,583	4,100	4,100	16,747	3,392
5,2500	4,100	0,0200	3,587	4,100	4,100	16,779	3,397
5,2800	4,100	0,0200	3,592	4,100	4,100	16,811	3,402
5,3100	4,100	0,0200	3,597	4,100	4,100	16,843	3,406
5,3400	4,100	0,0200	3,602	4,100	4,100	16,875	3,411
5,3700	4,100	0,0200	3,607	4,100	4,100	16,907	3,415
5,4000	4,100	0,0200	3,612	4,100	4,100	16,939	3,420
5,4650	4,100	0,0200	3,617	4,100	4,100	16,972	3,425
5,5300	4,100	0,0200	3,622	4,100	4,100	17,004	3,429
5,5950	4,100	0,0200	3,627	4,100	4,100	17,036	3,434
5,6600	4,100	0,0200	3,631	4,100	4,100	17,068	3,438
5,7250	4,100	0,0200	3,636	4,100	4,100	17,100	3,443
5,7900	4,100	0,0200	3,641	4,100	4,100	17,132	3,447
5,8550	4,100	0,0200	3,646	4,100	4,100	17,164	3,452
5,9200	4,100	0,0200	3,651	4,100	4,100	17,196	3,457
5,9850	4,100	0,0200	3,656	4,100	4,100	17,228	3,461
6,0500	4,100	0,0200	3,661	4,100	4,100	17,260	3,466
6,1150	4,100	0,0200	3,666	4,100	4,100	17,293	3,470
6,1800	4,100	0,0200	3,671	4,100	4,100	17,325	3,475
6,2450	4,100	0,0200	3,675	4,100	4,100	17,357	3,480
6,3100	4,100	0,0200	3,680	4,100	4,100	17,389	3,484
6,3750	4,100	0,0200	3,685	4,100	4,100	17,421	3,489
6,4400	4,100	0,0200	3,690	4,100	4,100	17,453	3,493

6,5050	4,100	0,0200	3,695	4,100	4,100	17,485	3,498
6,5700	4,100	0,0200	3,700	4,100	4,100	17,517	3,502
6,6350	4,100	0,0200	3,705	4,100	4,100	17,550	3,507
6,7000	4,100	0,0200	3,710	4,100	4,100	17,587	3,512
6,7650	4,100	0,0200	3,715	4,100	4,100	17,625	3,518
6,8300	4,100	0,0200	3,719	4,100	4,100	17,662	3,523
6,8950	4,100	0,0200	3,724	4,100	4,100	17,699	3,528
6,9600	4,100	0,0200	3,729	4,100	4,100	17,737	3,534
7,0250	4,100	0,0200	3,734	4,100	4,100	17,774	3,539
7,0900	4,100	0,0200	3,739	4,100	4,100	17,811	3,544
7,1550	4,100	0,0200	3,744	4,100	4,100	17,848	3,550
7,2200	4,100	0,0200	3,749	4,100	4,100	17,886	3,555
7,2900	4,100	0,0200	3,754	4,100	4,100	17,923	3,560
7,3600	4,100	0,0200	3,759	4,100	4,100	17,960	3,566
7,4300	4,100	0,0200	3,763	4,100	4,100	17,998	3,571
7,5000	4,100	0,0200	3,768	4,100	4,100	18,035	3,576
7,6250	4,100	0,0200	3,773	4,100	4,100	18,072	3,582
7,7500	4,100	0,0200	3,778	4,100	4,100	18,110	3,587
7,8750	4,100	0,0200	3,783	4,100	4,100	18,147	3,592
8,0000	4,100	0,0200	3,788	4,100	4,100	18,184	3,598
8,1250	4,100	0,0200	3,793	4,100	4,100	18,221	3,603
8,2500	4,100	0,0200	3,798	4,100	4,100	18,259	3,608
8,3750	4,100	0,0200	3,803	4,100	4,100	18,296	3,614
8,5000	4,100	0,0200	3,807	4,100	4,100	18,333	3,619
8,6250	4,100	0,0200	3,812	4,100	4,100	18,371	3,624
8,7500	4,100	0,0200	3,817	4,100	4,100	18,408	3,630
8,8750	4,100	0,0200	3,822	4,100	4,100	18,445	3,635
9,0000	4,100	0,0200	3,827	4,100	4,100	18,483	3,640
9,1250	4,100	0,0200	3,832	4,100	4,100	18,520	3,646
9,2500	4,100	0,0200	3,837	4,100	4,100	18,557	3,651
9,3750	4,100	0,0200	3,842	4,100	4,100	18,594	3,656
9,5000	4,100	0,0200	3,847	4,100	4,100	18,632	3,662
9,6250	4,100	0,0200	3,851	4,100	4,100	18,669	3,667
9,7500	4,100	0,0200	3,856	4,100	4,100	18,706	3,672
9,8750	4,100	0,0200	3,861	4,100	4,100	18,744	3,678
10,0000	4,100	0,0200	3,866	4,100	4,100	18,780	3,683
10,2500	4,100	0,0200	3,871	4,100	4,100	18,816	3,688
10,5000	4,100	0,0200	3,876	4,100	4,100	18,853	3,693
10,7500	4,100	0,0200	3,881	4,100	4,100	18,889	3,698
11,0000	4,100	0,0200	3,886	4,100	4,100	18,926	3,704
11,2500	4,100	0,0200	3,891	4,100	4,100	18,962	3,709
11,5000	4,100	0,0200	3,895	4,100	4,100	18,998	3,714
11,7500	4,100	0,0200	3,900	4,100	4,100	19,035	3,719
12,0000	4,100	0,0200	3,905	4,100	4,100	19,071	3,724
12,1250	4,100	0,0200	3,910	4,100	4,100	19,108	3,730
12,2500	4,100	0,0200	3,915	4,100	4,100	19,144	3,735
12,3750	4,100	0,0200	3,920	4,100	4,100	19,180	3,740
12,5000	4,100	0,0200	3,925	4,100	4,100	20,990	3,999