

**Wykaz współrzędnych punktów załamania granicy Sulejowskiego Parku Krajobrazowego w układzie WGS 84**

<b>I.p.</b>	<b>Długość geograficzna</b>	<b>Szerokość geograficzna</b>
1	19,7952	51,4094
2	19,8220	51,3959
3	19,8093	51,3975
4	19,8076	51,3975
5	19,8064	51,3956
6	19,8050	51,3956
7	19,8050	51,3967
8	19,7995	51,3967
9	19,7998	51,3975
10	19,7960	51,3975
11	19,7954	51,3976
12	19,7902	51,3991
13	19,7796	51,4093
14	19,7702	51,4064
15	19,7660	51,4135
16	19,7631	51,4160
17	19,7621	51,4173
18	19,7587	51,4197
19	19,7613	51,4180
20	19,7555	51,4246
21	19,7547	51,4248
22	19,7526	51,4266
23	19,7518	51,4283
24	19,7456	51,4311
25	19,7456	51,4318
26	19,7502	51,4320
27	19,7506	51,4321
28	19,7510	51,4340
29	19,7590	51,4332
30	19,7796	51,4591
31	19,7806	51,4585
32	19,7821	51,4591
33	19,7899	51,4601
34	19,7889	51,4545
35	19,7985	51,4534
36	19,7992	51,4591
37	19,7997	51,4605
38	19,8061	51,4599
39	19,8289	51,4576
40	19,8291	51,4589
41	19,8312	51,4588
42	19,8316	51,4624
43	19,8320	51,4626

44	19,8438	51,4640
45	19,8439	51,4636
46	19,7599	51,4460
47	19,7625	51,4480
48	19,8346	51,3747
49	19,8544	51,3721
50	19,8544	51,3727
51	19,8545	51,3732
52	19,8524	51,3744
53	19,8479	51,3740
54	19,8461	51,3744
55	19,8421	51,3744
56	19,8408	51,3747
57	19,8376	51,3749
58	19,8354	51,3747
59	19,8326	51,3755
60	19,8291	51,3753
61	19,8295	51,3769
62	19,8297	51,3773
63	19,8293	51,3777
64	19,8302	51,3777
65	19,8307	51,3785
66	19,8331	51,3801
67	19,8325	51,3801
68	19,8331	51,3805
69	19,8334	51,3810
70	19,8340	51,3811
71	19,8341	51,3813
72	19,8353	51,3815
73	19,8355	51,3818
74	19,8362	51,3824
75	19,8344	51,3823
76	19,8336	51,3830
77	19,8335	51,3834
78	19,8484	51,3851
79	19,8508	51,3932
80	19,8344	51,3941
81	19,8337	51,3942
82	19,8568	51,3708
83	19,8731	51,3674
84	19,8750	51,3775
85	19,8676	51,3780
86	19,8677	51,3770
87	19,8672	51,3766

88	19,8670	51,3759
89	19,8671	51,3753
90	19,8719	51,3720
91	19,8729	51,3697
92	19,8728	51,3685
93	19,8728	51,3679
94	19,8742	51,3664
95	19,8716	51,3606
96	19,8690	51,3612
97	19,8663	51,3614
98	19,8648	51,3627
99	19,8635	51,3641
100	19,8636	51,3660
101	19,8646	51,3671
102	19,8647	51,3677
103	19,8645	51,3684
104	19,8640	51,3690
105	19,8620	51,3701
106	19,8607	51,3699
107	19,8595	51,3706
108	19,8591	51,3706
109	19,8579	51,3702
110	19,8573	51,3703
111	19,8565	51,3710
112	19,8550	51,3715
113	19,8554	51,3738
114	19,8563	51,3737
115	19,8569	51,3740
116	19,8571	51,3748
117	19,8570	51,3755
118	19,8566	51,3758
119	19,8558	51,3758
120	19,8549	51,3756
121	19,9109	51,4413
122	19,8500	51,4643
123	19,8495	51,4570
124	19,8745	51,4582
125	19,8741	51,4557
126	19,8754	51,4514
127	19,8764	51,4460
128	19,8754	51,4460
129	19,8769	51,4404
130	19,8735	51,4384
131	19,8763	51,4329
132	19,8794	51,4300
133	19,8799	51,4302
134	19,8931	51,4317
135	19,8925	51,4348

136	19,9003	51,4357
137	19,9001	51,4364
138	19,9072	51,4371
139	19,9065	51,4405
140	19,9093	51,4407
141	19,9096	51,4415
142	19,9119	51,4420
143	19,8834	51,3638
144	19,8887	51,3761
145	19,8902	51,3727
146	19,8855	51,3720
147	19,8853	51,3726
148	19,8849	51,3734
149	19,8825	51,3733
150	19,8809	51,3767
151	19,8763	51,3655
152	19,8772	51,3663
153	19,8794	51,3663
154	19,8800	51,3656
155	19,8807	51,3645
156	19,8814	51,3639
157	19,8822	51,3629
158	19,8837	51,3632
159	19,8915	51,3665
160	19,8911	51,3673
161	19,8925	51,3677
162	19,8953	51,3627
163	19,8939	51,3628
164	19,8859	51,3450
165	19,8886	51,3406
166	19,8879	51,3579
167	19,8849	51,3577
168	19,8850	51,3575
169	19,8850	51,3570
170	19,8849	51,3564
171	19,8841	51,3551
172	19,8834	51,3544
173	19,8829	51,3531
174	19,8833	51,3487
175	19,8839	51,3467
176	19,8846	51,3461
177	19,8853	51,3458
178	19,8866	51,3431
179	19,8917	51,3385
180	19,8950	51,3396
181	19,8994	51,3401
182	19,9023	51,3402
183	19,8871	51,3347

184	19,8859	51,3366
185	19,8855	51,3372
186	19,8845	51,3381
187	19,8832	51,3423
188	19,8819	51,3448
189	19,8809	51,3481
190	19,8811	51,3521
191	19,8824	51,3554
192	19,8823	51,3583
193	19,8818	51,3591
194	19,8803	51,3599
195	19,8783	51,3604
196	19,8961	51,2704
197	19,8949	51,2432
198	19,8946	51,2438
199	19,8939	51,2443
200	19,8920	51,2443
201	19,8915	51,2444
202	19,8902	51,2446
203	19,8891	51,2451
204	19,8902	51,2473
205	19,8903	51,2480
206	19,8901	51,2491
207	19,8906	51,2524
208	19,8910	51,2534
209	19,8913	51,2555
210	19,8919	51,2574
211	19,8970	51,2627
212	19,8957	51,2612
213	19,8971	51,2644
214	19,8967	51,2768
215	19,8989	51,2794
216	19,8986	51,2819
217	19,8998	51,3227
218	19,8975	51,2859
219	19,8962	51,2886
220	19,8957	51,2899
221	19,8960	51,2907
222	19,8964	51,2918
223	19,8963	51,2926
224	19,8957	51,2937
225	19,8953	51,2959
226	19,8950	51,2968
227	19,8948	51,2976
228	19,8949	51,2986
229	19,8953	51,3010
230	19,8951	51,2993
231	19,8985	51,3036

232	19,9008	51,3062
233	19,9002	51,3123
234	19,9025	51,3151
235	19,9028	51,3158
236	19,9029	51,3183
237	19,9018	51,3193
238	19,8989	51,3250
239	19,8971	51,3269
240	19,8947	51,3304
241	19,9027	51,2141
242	19,9295	51,2241
243	19,9287	51,2217
244	19,9306	51,2211
245	19,9324	51,2211
246	19,9354	51,2216
247	19,9356	51,2145
248	19,9367	51,2069
249	19,9365	51,2066
250	19,9334	51,2060
251	19,9322	51,2046
252	19,9310	51,2045
253	19,9284	51,2045
254	19,9259	51,2049
255	19,9228	51,2052
256	19,9215	51,2051
257	19,9130	51,2019
258	19,9108	51,2035
259	19,9014	51,2031
260	19,9006	51,2110
261	19,8978	51,2226
262	19,8977	51,2240
263	19,8966	51,2289
264	19,8957	51,2299
265	19,8948	51,2301
266	19,8936	51,2302
267	19,8912	51,2301
268	19,9213	51,3434
269	19,9198	51,3437
270	19,9072	51,3397
271	19,9104	51,3396
272	19,9115	51,3387
273	19,9124	51,3381
274	19,9144	51,3370
275	19,9152	51,3372
276	19,9151	51,3374
277	19,9161	51,3380
278	19,9167	51,3378
279	19,9178	51,3378

280	19,9198	51,3395
281	19,9217	51,3389
282	19,9222	51,3388
283	19,9229	51,3394
284	19,9240	51,3394
285	19,9248	51,3413
286	19,9241	51,3420
287	19,9233	51,3413
288	19,9217	51,3419
289	19,9220	51,3426
290	19,9212	51,3429
291	19,9201	51,3453
292	19,9267	51,3432
293	19,9267	51,3446
294	19,9268	51,3447
295	19,9271	51,3456
296	19,9274	51,3465
297	19,9275	51,3478
298	19,9276	51,3486
299	19,9274	51,3502
300	19,9270	51,3514
301	19,9272	51,3522
302	19,9271	51,3532
303	19,9281	51,3528
304	19,9237	51,2751
305	19,9205	51,2848
306	19,9190	51,2876
307	19,9197	51,2875
308	19,9202	51,2872
309	19,9205	51,2863
310	19,9204	51,2857
311	19,9205	51,2841
312	19,9231	51,2836
313	19,9240	51,2833
314	19,9240	51,2828
315	19,9262	51,2825
316	19,9255	51,2809
317	19,9251	51,2805
318	19,9248	51,2800
319	19,9246	51,2794
320	19,9253	51,2792
321	19,9247	51,2772
322	19,9233	51,2774
323	19,9226	51,2774
324	19,9221	51,2755
325	19,9247	51,2759
326	19,9254	51,2757
327	19,9269	51,2744

328	19,9275	51,2729
329	19,9273	51,2737
330	19,9277	51,2723
331	19,9278	51,2713
332	19,9275	51,2702
333	19,9288	51,3642
334	19,9151	51,3643
335	19,9059	51,3883
336	19,9073	51,3945
337	19,9047	51,3845
338	19,9070	51,3843
339	19,9029	51,3799
340	19,9021	51,3785
341	19,9040	51,3683
342	19,9135	51,3685
343	19,9197	51,3688
344	19,9289	51,3656
345	19,9298	51,3650
346	19,9299	51,3641
347	19,9262	51,3646
348	19,9177	51,3642
349	19,9160	51,3646
350	19,9156	51,3645
351	19,9117	51,3637
352	19,9105	51,3636
353	19,9102	51,3633
354	19,9103	51,3617
355	19,9061	51,3619
356	19,9060	51,3634
357	19,9020	51,3633
358	19,9489	51,3998
359	19,9485	51,3989
360	19,9416	51,3980
361	19,9396	51,3908
362	19,9218	51,2951
363	19,9395	51,3005
364	19,9386	51,3003
365	19,9376	51,3002
366	19,9360	51,3003
367	19,9258	51,2978
368	19,9233	51,2983
369	19,9232	51,2978
370	19,9229	51,2974
371	19,9234	51,2971
372	19,9232	51,2965
373	19,9219	51,2967
374	19,9223	51,2960
375	19,9223	51,2955

376	19,9230	51,2954
377	19,9228	51,2949
378	19,9216	51,2948
379	19,9202	51,2940
380	19,9201	51,2938
381	19,9226	51,2906
382	19,9224	51,2904
383	19,9212	51,2907
384	19,9210	51,2903
385	19,9204	51,2899
386	19,9217	51,2896
387	19,9211	51,2889
388	19,9200	51,2884
389	19,9187	51,2884
390	19,9182	51,2880
391	19,9308	51,2531
392	19,9271	51,2694
393	19,9263	51,2688
394	19,9257	51,2685
395	19,9233	51,2651
396	19,9235	51,2645
397	19,9249	51,2639
398	19,9261	51,2635
399	19,9252	51,2581
400	19,9260	51,2578
401	19,9256	51,2553
402	19,9259	51,2551
403	19,9258	51,2542
404	19,9269	51,2541
405	19,9268	51,2533
406	19,9275	51,2531
407	19,9277	51,2527
408	19,9287	51,2528
409	19,9299	51,2529
410	19,9301	51,2531
411	19,9307	51,2506
412	19,9308	51,2501
413	19,9333	51,2503
414	19,9332	51,2511
415	19,9342	51,2511
416	19,9347	51,2507
417	19,9347	51,2502
418	19,9342	51,2497
419	19,9275	51,2274
420	19,9352	51,2481
421	19,9342	51,2474
422	19,9320	51,2456
423	19,9343	51,2445

424	19,9352	51,2454
425	19,9347	51,2458
426	19,9353	51,2461
427	19,9359	51,2457
428	19,9360	51,2451
429	19,9371	51,2445
430	19,9363	51,2438
431	19,9366	51,2432
432	19,9347	51,2417
433	19,9341	51,2396
434	19,9372	51,2394
435	19,9371	51,2380
436	19,9398	51,2374
437	19,9378	51,2344
438	19,9359	51,2343
439	19,9350	51,2330
440	19,9306	51,2331
441	19,9269	51,2270
442	19,9269	51,2265
443	19,9298	51,2266
444	19,9144	51,4420
445	19,9153	51,4425
446	19,9150	51,4443
447	19,9158	51,4455
448	19,9228	51,4502
449	19,9330	51,4518
450	19,9336	51,4548
451	19,9394	51,4555
452	19,9408	51,4611
453	19,9503	51,4607
454	19,9562	51,4722
455	19,9539	51,4671
456	19,9417	51,3494
457	19,9431	51,3489
458	19,9491	51,3410
459	19,9530	51,3303
460	19,9535	51,3302
461	19,9541	51,3252
462	19,9536	51,3251
463	19,9726	51,3149
464	19,9545	51,3182
465	19,9554	51,3175
466	19,9558	51,3166
467	19,9566	51,3163
468	19,9722	51,3168
469	19,9726	51,3114
470	19,9716	51,3095
471	19,9645	51,3094

472	19,9626	51,3091
473	19,9587	51,3062
474	19,9569	51,3054
475	19,9540	51,3048
476	19,9513	51,3034
477	19,9473	51,3033
478	19,9796	51,3570
479	19,9784	51,3568
480	19,9562	51,3568
481	19,9573	51,3574
482	19,9579	51,3579
483	19,9585	51,3580
484	19,9654	51,3575
485	19,9688	51,3573
486	19,9714	51,3572
487	19,9767	51,3424
488	19,9733	51,4715
489	19,9778	51,4511
490	19,9733	51,4698
491	19,9664	51,4706
492	19,9704	51,4707
493	19,9711	51,4711
494	19,9725	51,4724
495	19,9732	51,4724
496	19,9730	51,4703
497	19,9741	51,4696
498	19,9759	51,4694
499	19,9782	51,4694
500	19,9804	51,4693
501	19,9862	51,4683
502	19,9849	51,4534
503	19,9823	51,4500
504	19,9768	51,4501
505	19,9766	51,4497
506	19,9758	51,4487
507	19,9804	51,4471
508	19,9775	51,4432
509	19,9902	51,3831
510	19,9954	51,4026
511	20,0028	51,4161
512	20,0002	51,4172
513	20,0011	51,4167
514	20,0020	51,4163
515	20,0043	51,4161
516	20,0066	51,4160
517	20,0080	51,4157
518	20,0097	51,4155
519	20,0107	51,4152

520	20,0118	51,4145
521	20,0128	51,4141
522	20,0137	51,4135
523	20,0143	51,4130
524	20,0154	51,4124
525	20,0154	51,4119
526	20,0130	51,4091
527	20,0104	51,4048
528	19,9946	51,4037
529	19,9952	51,4031
530	19,9985	51,3847
531	19,9979	51,3846
532	19,9971	51,3842
533	19,9966	51,3837
534	19,9965	51,3829
535	19,9966	51,3825
536	19,9857	51,3837
537	19,9862	51,3845
538	19,9881	51,3863
539	19,9873	51,3865
540	19,9839	51,3864
541	19,9832	51,3917
542	19,9830	51,3920
543	19,9820	51,3996
544	19,9797	51,3996
545	19,9788	51,3993
546	19,9655	51,3986
547	19,9643	51,3982
548	19,9653	51,4018
549	19,9991	51,4177
550	19,9953	51,4532
551	20,0117	51,4709
552	20,0078	51,4665
553	19,9930	51,4704
554	19,9943	51,4708
555	19,9982	51,4727
556	19,9984	51,4739
557	19,9993	51,4744
558	20,0007	51,4746
559	20,0034	51,4744
560	20,0061	51,4740
561	20,0118	51,4725
562	20,0126	51,4698
563	20,0125	51,4690
564	20,0092	51,4690
565	20,0091	51,4680
566	20,0078	51,4673
567	20,0062	51,4645

568	20,0092	51,4632
569	20,0098	51,4623
570	20,0111	51,4618
571	20,0119	51,4577
572	20,0026	51,4604
573	20,0004	51,4612
574	19,9983	51,4579
575	19,9969	51,4584
576	19,9932	51,4540
577	19,9937	51,4537
578	19,9945	51,4534
579	20,0165	51,4310
580	19,9960	51,4527
581	19,9953	51,4519
582	19,9940	51,4522
583	19,9929	51,4523
584	19,9921	51,4520
585	19,9960	51,4390
586	19,9963	51,4427
587	19,9959	51,4453
588	19,9951	51,4462
589	19,9957	51,4467
590	19,9979	51,4498
591	19,9982	51,4509
592	20,0074	51,4454
593	20,0115	51,4446
594	20,0250	51,4407
595	20,0232	51,4382

596	20,0231	51,4377
597	20,0218	51,4321
598	20,0242	51,4326
599	20,0229	51,4324
600	20,0159	51,4311
601	20,0157	51,4310
602	20,0152	51,4313
603	20,0146	51,4313
604	20,0143	51,4313
605	20,0143	51,4315
606	20,0140	51,4316
607	20,0140	51,4317
608	20,0138	51,4317
609	20,0137	51,4318
610	20,0136	51,4318
611	20,0132	51,4322
612	20,0130	51,4324
613	20,0127	51,4324
614	20,0127	51,4325
615	20,0121	51,4326
616	20,0119	51,4328
617	20,0115	51,4328
618	20,0108	51,4327
619	20,0107	51,4328
620	20,0055	51,4251
621	20,0044	51,4251
622	20,0038	51,4245
623	20,0012	51,4209

**Wykaz współrzędnych punktów załamania  
granicy otuliny Sulejowskiego Parku  
Krajobrazowego w układzie WGS 84**

<b>I.p.</b>	<b>Długość geograficzna</b>	<b>Szerokość geograficzna</b>
1	19,7093	51,2632
2	19,7198	51,2508
3	19,7070	51,2563
4	19,7076	51,2583
5	19,7088	51,2610
6	19,7063	51,2609
7	19,7062	51,2616
8	19,7074	51,2616
9	19,7079	51,2621
10	19,7086	51,2623
11	19,7089	51,2627
12	19,7092	51,2628
13	19,7107	51,2628
14	19,7106	51,2638
15	19,7124	51,2638
16	19,7122	51,2687
17	19,7113	51,2705
18	19,7101	51,2715
19	19,7099	51,2717
20	19,7080	51,2725
21	19,7059	51,2730
22	19,7402	51,2966
23	19,7088	51,2750
24	19,7041	51,2740
25	19,7025	51,2751
26	19,7050	51,2748
27	19,7078	51,2748
28	19,7086	51,2772
29	19,7073	51,2776
30	19,7076	51,2783
31	19,7122	51,2781
32	19,7189	51,2902
33	19,7204	51,2897
34	19,7214	51,2912
35	19,7282	51,2882
36	19,7288	51,2923
37	19,7317	51,2927
38	19,7326	51,2936
39	19,7336	51,2934
40	19,7340	51,2936
41	19,7347	51,2936
42	19,7355	51,2938

43	19,7371	51,2935
44	19,7380	51,2947
45	19,7381	51,2959
46	19,7386	51,2962
47	19,7390	51,2961
48	19,7407	51,2965
49	19,7420	51,2970
50	19,7425	51,2969
51	19,7439	51,2988
52	19,7359	51,3029
53	19,7390	51,3031
54	19,7421	51,3031
55	19,7425	51,3036
56	19,7295	51,2542
57	19,7382	51,2653
58	19,7318	51,2649
59	19,7289	51,2624
60	19,7297	51,2619
61	19,7308	51,2609
62	19,7319	51,2600
63	19,7317	51,2594
64	19,7308	51,2585
65	19,7304	51,2585
66	19,7306	51,2562
67	19,7309	51,2549
68	19,7296	51,2550
69	19,7277	51,2546
70	19,7277	51,2538
71	19,7269	51,2540
72	19,7268	51,2518
73	19,7280	51,2508
74	19,7283	51,2501
75	19,7263	51,2496
76	19,7240	51,2493
77	19,7227	51,2494
78	19,7217	51,2497
79	19,7207	51,2504
80	19,7727	51,2556
81	19,7688	51,2581
82	19,7664	51,2592
83	19,7626	51,2603
84	19,7585	51,2600
85	19,7518	51,2611
86	19,7501	51,2620
87	19,7493	51,2622
88	19,7444	51,2633
89	19,7419	51,2608

90	19,8043	51,2446
91	19,8179	51,2344
92	19,8186	51,2325
93	19,8162	51,2420
94	19,8158	51,2424
95	19,8156	51,2434
96	19,8149	51,2452
97	19,8090	51,2454
98	19,8064	51,2449
99	19,8013	51,2443
100	19,7903	51,2484
101	19,7842	51,2482
102	19,7798	51,2509
103	19,7762	51,2527
104	19,8203	51,2288
105	19,8209	51,2228
106	19,8166	51,2136
107	19,8290	51,2150
108	19,8288	51,2155
109	19,8257	51,2152
110	19,8256	51,2154
111	19,8250	51,2154
112	19,8248	51,2160
113	19,8251	51,2160
114	19,8247	51,2167
115	19,8242	51,2167
116	19,8240	51,2171
117	19,8258	51,2173
118	19,8256	51,2180
119	19,8250	51,2182
120	19,8259	51,2185
121	19,8257	51,2188
122	19,8277	51,2190
123	19,8274	51,2194
124	19,8220	51,2188
125	19,8217	51,2191
126	19,8211	51,2191
127	19,8211	51,2192
128	19,8237	51,2195
129	19,8228	51,2208
130	19,8145	51,2200
131	19,8137	51,2225
132	19,8171	51,2216
133	19,8191	51,2220
134	19,8192	51,2226
135	19,8197	51,2227
136	19,8196	51,2236

137	19,8207	51,2238
138	19,8212	51,2229
139	19,8213	51,2227
140	19,8217	51,2227
141	19,8204	51,2264
142	19,8209	51,2264
143	19,8213	51,2271
144	19,8160	51,2051
145	19,8318	51,1910
146	19,8237	51,1897
147	19,8199	51,1893
148	19,8200	51,1903
149	19,8197	51,1906
150	19,8145	51,1994
151	19,8158	51,2050
152	19,8174	51,2112
153	19,8540	51,1904
154	19,8486	51,1902
155	19,8441	51,1903
156	19,8415	51,1905
157	19,8373	51,1901
158	19,8522	51,1652
159	19,8280	51,1386
160	19,8272	51,1392
161	19,8302	51,1400
162	19,8310	51,1415
163	19,8322	51,1429
164	19,8336	51,1440
165	19,8345	51,1446
166	19,8357	51,1451
167	19,8365	51,1457
168	19,8370	51,1461
169	19,8385	51,1466
170	19,8394	51,1470
171	19,8397	51,1472
172	19,8401	51,1478
173	19,8405	51,1490
174	19,8410	51,1509
175	19,8416	51,1514
176	19,8492	51,1540
177	19,8512	51,1585
178	19,8517	51,1604
179	19,8521	51,1612
180	19,8525	51,1625
181	19,8522	51,1643
182	19,8517	51,1659
183	19,8515	51,1669

184	19,8526	51,1680
185	19,8603	51,1645
186	19,8655	51,1630
187	19,8620	51,1675
188	19,8618	51,1692
189	19,8320	51,1351
190	19,8697	51,1119
191	19,8727	51,1107
192	19,8718	51,1109
193	19,8708	51,1115
194	19,8688	51,1124
195	19,8669	51,1128
196	19,8666	51,1129
197	19,8580	51,1169
198	19,8568	51,1177
199	19,8561	51,1180
200	19,8546	51,1189
201	19,8523	51,1197
202	19,8506	51,1210
203	19,8480	51,1210
204	19,8466	51,1212
205	19,8432	51,1210
206	19,8417	51,1212
207	19,8423	51,1228
208	19,8394	51,1229
209	19,8371	51,1306
210	19,8327	51,1340
211	19,8303	51,1364
212	19,9094	51,1134
213	19,9139	51,1239
214	19,9139	51,1224
215	19,9129	51,1215
216	19,9093	51,1138
217	19,9122	51,1107
218	19,9120	51,1105
219	19,9126	51,1087
220	19,9122	51,1084
221	19,9058	51,1096
222	19,9058	51,1091
223	19,9045	51,1081
224	19,8991	51,1081
225	19,8940	51,1080
226	19,8904	51,1090
227	19,8863	51,1091
228	19,8854	51,1091
229	19,8843	51,1089
230	19,8815	51,1090

231	19,8782	51,1094
232	19,8760	51,1099
233	19,8738	51,1104
234	19,9185	51,1705
235	19,9220	51,1719
236	19,9195	51,1711
237	19,9180	51,1696
238	19,9174	51,1685
239	19,9162	51,1654
240	19,9161	51,1613
241	19,9153	51,1599
242	19,9153	51,1585
243	19,9156	51,1571
244	19,9175	51,1552
245	19,9182	51,1534
246	19,9188	51,1530
247	19,9202	51,1526
248	19,9207	51,1522
249	19,9227	51,1424
250	19,9485	51,2306
251	19,9457	51,2265
252	19,9449	51,2214
253	19,9386	51,2103
254	19,9373	51,2038
255	19,9349	51,2023
256	19,9342	51,2001
257	19,9313	51,1960
258	19,9293	51,1925
259	19,9286	51,1875
260	19,9296	51,1846
261	19,9270	51,1822
262	19,9245	51,1754
263	19,9237	51,1737
264	19,9230	51,1728
265	19,9503	51,2464
266	20,0088	51,2953
267	20,0088	51,2945
268	20,0076	51,2920
269	19,9786	51,2929
270	19,9672	51,2926
271	19,9643	51,2883
272	19,9618	51,2830
273	19,9614	51,2785
274	19,9584	51,2739
275	19,9596	51,2755
276	19,9518	51,2618
277	19,9516	51,2589

278	19,9515	51,2584
279	19,9490	51,2508
280	19,9480	51,2495
281	19,9516	51,2439
282	19,9525	51,2411
283	19,9556	51,2367
284	19,9529	51,2358
285	19,9515	51,2354
286	19,9508	51,2349
287	19,7751	51,3503
288	19,7398	51,3317
289	19,7391	51,3345
290	19,7568	51,3415
291	19,7577	51,3423
292	19,7580	51,3433
293	19,7622	51,3463
294	19,7636	51,3462
295	19,7639	51,3473
296	19,7706	51,3494
297	19,7746	51,3496
298	19,7368	51,4032
299	19,7370	51,4034
300	19,7406	51,4045
301	19,7454	51,4049
302	19,7457	51,4088
303	19,7461	51,4111
304	19,7488	51,4114
305	19,7490	51,4119
306	19,7435	51,4272
307	19,7451	51,4288
308	19,7456	51,4311
309	19,7456	51,4318
310	19,7458	51,4326
311	19,7462	51,4369
312	19,7468	51,4443
313	19,7499	51,4445
314	19,7592	51,4467
315	19,7621	51,4478
316	19,8160	51,3774
317	19,7794	51,3509
318	19,7877	51,3511
319	19,7898	51,3528
320	19,7908	51,3545
321	19,7908	51,3550
322	19,7937	51,3567
323	19,7951	51,3572
324	19,7966	51,3576

325	19,7983	51,3583
326	19,8004	51,3615
327	19,7999	51,3631
328	19,8003	51,3640
329	19,8012	51,3647
330	19,8022	51,3650
331	19,8038	51,3650
332	19,8066	51,3662
333	19,8083	51,3673
334	19,8102	51,3678
335	19,8112	51,3685
336	19,8099	51,3700
337	19,8103	51,3704
338	19,8146	51,3723
339	19,8150	51,3740
340	19,8163	51,3759
341	19,8169	51,3766
342	19,8175	51,3773
343	19,8124	51,3784
344	19,7797	51,4591
345	19,7905	51,4662
346	19,7989	51,4650
347	19,8294	51,4638
348	19,8711	51,4655
349	19,8706	51,4664
350	19,8746	51,4672
351	19,8800	51,4672
352	19,8816	51,4656
353	19,8827	51,4654
354	19,8900	51,4648
355	19,8991	51,4610
356	19,9012	51,4599
357	19,9022	51,4588
358	19,9165	51,4532
359	19,9174	51,4633
360	19,9130	51,4641
361	19,9131	51,4654
362	19,9186	51,4660
363	19,9225	51,4671
364	19,9242	51,4683
365	19,9238	51,4706
366	19,9211	51,4735
367	19,9184	51,4776
368	19,9186	51,4823
369	19,9194	51,4851
370	19,9210	51,4888
371	19,9211	51,4897

372	19,9213	51,4905
373	19,9514	51,3832
374	19,9668	51,3812
375	19,9609	51,3856
376	19,9591	51,3864
377	19,9606	51,3859
378	19,9575	51,3866
379	19,9567	51,3864
380	19,9549	51,3849
381	19,9523	51,3839
382	19,9512	51,3836
383	19,9507	51,3800
384	19,9503	51,3797
385	19,9482	51,3792
386	19,9387	51,3696
387	19,9386	51,3592
388	19,9430	51,3596
389	19,9549	51,3586
390	19,9580	51,3580
391	19,9688	51,3573
392	19,9714	51,3572
393	19,9818	51,5026
394	19,9609	51,4894
395	19,9704	51,5005
396	19,9721	51,5030
397	19,9743	51,5024
398	19,9812	51,5173
399	19,9826	51,5178
400	19,9830	51,5170
401	19,9858	51,3461
402	20,0082	51,3947
403	20,0047	51,3949
404	20,0058	51,3871
405	20,0049	51,3779
406	19,9917	51,3777
407	19,9784	51,3568
408	19,9797	51,3569
409	19,9893	51,3563
410	19,9910	51,3559
411	19,9909	51,3556
412	19,9903	51,3546
413	19,9902	51,3539
414	19,9903	51,3525
415	19,9902	51,3502
416	19,9896	51,3496
417	19,9884	51,3485
418	19,9871	51,3474

419	20,0105	51,2969
420	19,9849	51,3457
421	19,9828	51,3450
422	19,9826	51,3438
423	19,9823	51,3433
424	19,9824	51,3430
425	19,9827	51,3423
426	19,9857	51,3395
427	19,9848	51,3395
428	19,9866	51,3337
429	19,9815	51,3344
430	19,9818	51,3330
431	19,9830	51,3307
432	19,9952	51,3245
433	19,9957	51,3240
434	19,9971	51,3234
435	19,9984	51,3225
436	19,9975	51,3224
437	20,0030	51,3159
438	20,0037	51,3144
439	20,0039	51,3126
440	20,0041	51,3118
441	20,0098	51,3051
442	20,0097	51,3014
443	20,0119	51,2995
444	20,0040	51,4918
445	20,0012	51,5156
446	19,9845	51,5169
447	19,9866	51,5166
448	19,9870	51,5164
449	19,9899	51,5164
450	19,9928	51,5169
451	19,9994	51,5156
452	20,0015	51,5159
453	20,0069	51,4931
454	20,0059	51,4934
455	20,0050	51,4939
456	20,0032	51,4939
457	20,0020	51,4935
458	20,0020	51,4927
459	20,0032	51,4891
460	20,0040	51,4880
461	20,0072	51,4861
462	20,0091	51,4846
463	20,0134	51,4825
464	20,0149	51,4816
465	20,0203	51,4806

466	20,0290	51,5061
467	20,0138	51,5150
468	20,0131	51,5115
469	20,0216	51,5118
470	20,0236	51,5131
471	20,0245	51,5141
472	20,0266	51,5148
473	20,0282	51,5138
474	20,0325	51,5150
475	20,0336	51,5150
476	20,0345	51,5145
477	20,0345	51,5138
478	20,0338	51,5127
479	20,0328	51,5117
480	20,0325	51,5114
481	20,0323	51,5111
482	20,0321	51,5103
483	20,0220	51,4989
484	20,0174	51,5006
485	20,0166	51,5005
486	20,0158	51,4999
487	20,0152	51,4997
488	20,0153	51,4988
489	20,0137	51,4984
490	20,0135	51,4978
491	20,0142	51,4970
492	20,0144	51,4961
493	20,0137	51,4956
494	20,0129	51,4947
495	20,0107	51,4936
496	20,0578	51,4441
497	20,0292	51,4787
498	20,0234	51,4685
499	20,0315	51,4620
500	20,0328	51,4608
501	20,0357	51,4569
502	20,0359	51,4563
503	20,0350	51,4548
504	20,0367	51,4546
505	20,0393	51,4537
506	20,0462	51,4527
507	20,0580	51,4501
508	20,0579	51,4489
509	20,0578	51,4465
510	20,0201	51,4051
511	20,0574	51,4409
512	20,0582	51,4404

513	20,0588	51,4396
514	20,0609	51,4380
515	20,0621	51,4377
516	20,0644	51,4365
517	20,0681	51,4353
518	20,0705	51,4347
519	20,0727	51,4347
520	20,0741	51,4342
521	20,0793	51,4318
522	20,0815	51,4327
523	20,0832	51,4295
524	20,0781	51,4297
525	20,0772	51,4294
526	20,0734	51,4297
527	20,0721	51,4293
528	20,0705	51,4227
529	20,0694	51,4216
530	20,0605	51,4177
531	20,0536	51,4143
532	20,0492	51,4117
533	20,0483	51,4114
534	20,0476	51,4089
535	20,0467	51,4080
536	20,0281	51,4081
537	20,0195	51,4043
538	20,0186	51,3978
539	19,9069	51,4107
540	19,9148	51,4154
541	19,9161	51,4155
542	19,9159	51,4160
543	19,9184	51,4175
544	19,9195	51,4182
545	19,9215	51,4190
546	19,9242	51,4211
547	19,9250	51,4223
548	19,9265	51,4234
549	19,9270	51,4234
550	19,9270	51,4229
551	19,9277	51,4199
552	19,9353	51,4244
553	19,9452	51,4166
554	19,9423	51,4124
555	19,9406	51,4109
556	19,9355	51,4109
557	19,9304	51,4047
558	19,9293	51,4002
559	19,9228	51,4005

560	19,9195	51,4000
561	19,9157	51,4001
562	19,9130	51,3996
563	19,9111	51,3996
564	19,9101	51,4014
565	19,9099	51,4024
566	19,9077	51,4094