

red absorbing state

Wavelength ?r

215.709	18880.47
216.248	18774.02
216.786	18667.77
217.325	18561.31
217.863	18455.06
218.401	18348.8
218.94	18242.35
219.478	18136.1
220.016	18029.84
220.554	17923.59
221.091	17817.53
221.629	17711.27
222.167	17605.02
222.704	17498.96
223.242	17392.71
223.779	17286.65
224.316	17180.59
224.853	17074.53
225.39	16968.48
225.927	16862.42
226.464	16756.36
227	16650.5
227.537	16544.44
228.073	16438.58
228.61	16332.53
229.146	16226.67
229.682	16120.81
230.218	16014.95
230.754	15909.09
231.29	15803.23
231.826	15697.37
232.361	15591.7
232.897	15485.84
233.432	15380.18
233.967	15274.52
234.503	15168.66
235.038	15063
235.573	14957.33
236.108	14851.67
236.642	14746.21
237.177	14640.54
237.712	14534.88
238.246	14429.42
238.781	14323.75
239.315	14218.29

239.849	14112.82
240.383	14007.36
240.917	13901.89
241.451	13796.43
241.985	13690.96
242.518	13585.7
243.052	13480.23
243.585	13374.96
244.119	13269.5
244.652	13164.23
245.185	13058.96
245.718	12953.7
246.251	12848.43
246.784	12743.16
247.317	12637.89
247.849	12532.82
248.382	12427.56
248.914	12322.49
249.447	12217.22
249.979	12112.15
250.511	12007.08
251.043	11902.01
251.575	11796.94
252.107	11691.87
252.638	11587
253.17	11481.93
253.701	11377.05
254.233	11271.98
254.764	11167.11
255.295	11062.24
255.826	10957.37
256.357	10852.49
256.888	10747.62
257.419	10642.75
257.949	10538.07
258.48	10433.2
259.01	10328.53
259.541	10223.65
260.071	10118.98
260.601	10014.3
261.131	9909.628
261.661	9804.953
262.191	9700.278
262.721	9595.603
263.25	9491.125
263.78	9386.45
264.309	9281.973

264.839	9177.298
265.368	9072.82
265.897	8968.343
266.426	8863.865
266.955	8759.388
267.484	8654.91
268.012	8550.63
268.541	8446.153
269.069	8341.873
269.598	8237.395
270.126	8133.115
270.654	8028.835
271.182	7924.555
271.71	7820.275
272.238	7715.995
272.766	7611.715
273.293	7507.633
273.821	7403.353
274.348	7299.27
274.876	7194.99
275.403	7090.908
275.93	6986.825
276.457	6882.743
276.984	6778.66
277.511	6674.578
278.038	6570.495
278.564	6466.61
279.091	6362.528
279.617	6258.643
280.144	6154.56
280.67	6050.675
281.196	5946.79
281.722	5842.905
282.248	5739.02
282.774	5635.135
283.299	5531.448
283.825	5427.563
284.35	5323.875
284.876	5219.99
285.401	5116.303
285.926	5012.615
286.451	4908.928
286.976	4805.24
287.501	4701.553
288.026	4597.865
288.55	4494.375
289.075	4390.688

289.599	4287.198
290.124	4183.51
290.648	4080.02
291.172	3976.53
291.696	3873.04
292.22	3769.55
292.744	3666.06
293.268	3562.57
293.791	3459.278
294.315	3355.788
294.838	3252.495
295.362	3149.005
295.885	3045.713
296.408	2942.42
296.931	2839.128
297.454	2735.835
297.977	2632.543
298.499	2529.448
299.022	2426.155
299.544	2323.06
300.067	2219.768
300.589	2116.673
301.111	2013.578
301.633	1910.483
302.155	1823.895
302.677	1776.393
303.199	1728.891
303.72	1681.48
304.242	1637.003
304.763	1596.105
305.285	1555.128
305.806	1514.229
306.327	1484.776
306.848	1462.112
307.369	1439.449
307.89	1416.785
308.411	1387.751
308.931	1357.071
309.452	1326.332
309.972	1295.652
310.493	1276.006
311.013	1257.026
311.533	1238.046
312.053	1218.509
312.573	1194.069
313.093	1169.629
313.612	1145.236

314.132	1120.532
314.651	1095.101
315.171	1069.621
315.69	1044.19
316.209	1021.058
316.728	1001.336
317.247	981.614
317.766	961.892
318.285	944.45
318.803	928.91
319.322	913.34
319.84	897.8
320.359	882.4095
320.877	867.1285
321.395	851.8475
321.913	836.5665
322.431	819.5615
322.949	802.2085
323.467	784.8555
323.984	767.536
324.502	761.98
325.019	756.81
325.537	751.63
326.054	746.433
326.571	741.0045
327.088	735.576
327.605	730.1475
328.122	725.207
328.638	721.853
329.155	718.4925
329.671	715.1385
330.188	713
330.704	713
331.22	713
331.736	713
332.252	714.512
332.768	717.608
333.284	720.704
333.799	723.794
334.315	729.095
334.83	735.79
335.346	742.498
335.861	749.193
336.376	756.452
336.891	763.9195
337.406	771.387
337.921	778.8545

338.436	786.758
338.95	794.725
339.465	802.7075
339.979	810.6745
340.494	818.41
341.008	826.12
341.522	833.83
342.036	841.684
342.55	851.45
343.064	861.216
343.577	870.963
344.091	882.3215
344.604	901.046
345.118	919.807
345.631	938.5315
346.144	954.664
346.657	964.1545
347.17	973.645
347.683	983.1355
348.196	994.782
348.708	1009.886
349.221	1025.02
349.733	1040.124
350.246	1057.348
350.758	1076.804
351.27	1096.26
351.782	1115.716
352.294	1133.702
352.806	1150.598
353.318	1167.494
353.829	1184.357
354.341	1202.447
354.852	1221.098
355.364	1239.786
355.875	1258.438
356.386	1275.159
356.897	1291.256
357.408	1307.352
357.919	1323.449
358.429	1339.514
358.94	1355.61
359.45	1371.675
359.961	1387.772
360.471	1400.069
360.981	1412.054
361.491	1424.039
362.001	1436.016

362.511	1444.176
363.021	1452.336
363.53	1460.48
364.04	1468.32
364.549	1472.392
365.059	1476.472
365.568	1480.544
366.077	1485.271
366.586	1493.669
367.095	1502.068
367.604	1510.466
368.113	1517.678
368.621	1520.726
369.13	1523.78
369.638	1526.828
370.147	1529.809
370.655	1532.603
371.163	1535.397
371.671	1538.191
372.179	1540.448
372.687	1541.718
373.194	1542.985
373.702	1544.255
374.209	1548.344
374.717	1556.472
375.224	1564.584
375.731	1572.696
376.238	1577
376.745	1577
377.252	1577
377.759	1577
378.265	1578.193
378.772	1580.474
379.278	1582.751
379.785	1585.033
380.291	1583.963
380.797	1580.421
381.303	1576.879
381.809	1573.337
382.315	1569.638
382.821	1565.843
383.326	1562.055
383.832	1558.26
384.337	1548.238
384.843	1535.082
385.348	1521.952
385.853	1508.822

386.358	1497.661
386.863	1487.309
387.368	1476.956
387.872	1466.624
388.377	1448.355
388.881	1427.439
389.386	1406.481
389.89	1385.565
390.394	1363.861
390.898	1341.937
391.402	1320.013
391.906	1298.089
392.41	1277.805
392.914	1257.897
393.417	1238.029
393.92	1218.16
394.424	1189.984
394.927	1160.307
395.43	1130.63
395.933	1100.953
396.436	1076.726
396.939	1053.337
397.442	1029.947
397.944	1006.604
398.447	981.65
398.949	956.55
399.452	931.4
399.954	906.3
400.456	882.568
400.958	858.974
401.46	835.38
401.962	811.786
402.463	792.1745
402.965	772.8475
403.466	753.559
403.968	734.232
404.469	717.7575
404.97	701.475
405.471	685.1925
405.972	668.91
406.473	652.864
406.974	636.832
407.475	620.8
407.975	604.8
408.475	593.7875
408.976	583.016
409.476	572.266

409.976	561.516
410.476	551.004
410.976	540.504
411.476	530.004
411.976	519.504
412.475	507.6
412.975	495.6
413.474	483.624
413.974	471.624
414.473	460.594
414.972	449.616
415.471	438.638
415.97	427.66
416.469	422.5445
416.967	417.8135
417.466	413.073
417.964	408.342
418.463	398.277
418.961	387.819
419.459	377.361
419.957	366.903
420.455	361.905
420.953	357.423
421.451	352.941
421.949	348.459
422.446	341.756
422.944	334.784
423.441	327.826
423.938	320.868
424.435	317.39
424.932	314.408
425.429	311.426
425.926	308.444
426.423	304.616
426.919	300.648
427.416	296.672
427.912	292.704
428.409	288.319
428.905	283.855
429.401	279.391
429.897	274.927
430.393	271.8385
430.889	269.1105
431.384	266.388
431.88	263.66
432.375	259.4375
432.871	254.7255

433.366	250.023
433.861	245.3205
434.356	244
434.851	244
435.346	244
435.841	244
436.335	241.655
436.83	238.19
437.324	234.732
437.819	231.267
438.313	230
438.807	230
439.301	230
439.795	230
440.289	226.9655
440.783	221.7785
441.276	216.602
441.77	211.415
442.263	207.2905
442.757	204.0795
443.25	200.875
443.743	197.6705
444.236	194.584
444.729	191.626
445.222	188.668
445.714	185.716
446.207	182.758
446.699	179.806
447.192	176.848
447.684	173.896
448.176	171.12
448.668	168.66
449.16	166.2
449.652	163.74
450.144	162
450.635	162
451.127	162
451.618	162
452.11	161.34
452.601	158.394
453.092	155.448
453.583	152.502
454.074	149.741
454.565	148.0225
455.056	146.304
455.546	144.589
456.037	142.7225

456.527	139.0475
457.018	135.365
457.508	131.69
457.998	128.015
458.488	128
458.978	128
459.468	128
459.957	128
460.447	125.9885
460.936	123.788
461.426	121.583
461.915	119.3825
462.404	119
462.893	119
463.382	119
463.871	119
464.36	116.84
464.848	113.912
465.337	110.978
465.825	108.05
466.314	107
466.802	107
467.29	107
467.778	107
468.266	106.202
468.754	104.738
469.242	103.274
469.729	101.813
470.217	101
470.704	101
471.192	101
471.679	101
472.166	100.3277
472.653	98.35535
473.14	96.383
473.627	94.41065
474.113	92.9
474.6	92.9
475.086	92.9
475.573	92.9
476.059	92.65515
476.545	90.63825
477.031	88.62135
477.517	86.60445
478.003	84.6
478.489	84.6
478.974	84.6

479.46	84.6
479.945	84.6
480.431	84.6
480.916	84.6
481.401	84.6
481.886	84.6
482.371	82.7821
482.856	80.4056
483.341	78.0291
483.825	75.6575
484.31	74.8
484.794	74.8
485.279	74.8
485.763	74.8
486.247	74.8
486.731	74.8
487.215	74.8
487.699	74.8
488.182	74.8
488.666	74.8
489.149	74.8
489.633	74.8
490.116	74.4462
490.599	72.97305
491.082	71.4999
491.565	70.02675
492.048	68.7
492.531	68.7
493.013	68.7
493.496	68.7
493.978	68.7
494.461	68.7
494.943	68.7
495.425	68.7
495.907	68.7
496.389	68.7
496.871	68.7
497.353	68.7
497.834	68.7
498.316	68.7
498.797	68.7
499.279	68.7
499.76	68.7
500.241	69.70015
500.722	71.6963
501.203	73.69245
501.684	75.6886

502.164	77
502.645	77
503.125	77
503.606	77
504.086	77
504.566	77
505.046	77
505.526	77
506.006	77
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507.445	77
507.924	77
508.404	77
508.883	77
509.362	77
509.841	77
510.32	77
510.799	77
511.278	77
511.756	77
512.235	78.3395
512.713	81.0641
513.192	83.7944
513.67	86.519
514.148	88.7922
514.626	90.0589
515.104	91.3256
515.582	92.5923
516.059	94.18085
516.537	98.07655
517.014	101.9641
517.492	105.8598
517.969	109.7474
518.446	110
518.923	110
519.4	110
519.877	110
520.354	109.823
520.83	109.585
521.307	109.3465
521.783	109.1085
522.26	110.69
522.736	113.784
523.212	116.878
523.688	119.972
524.164	122.656

524.64	124.56
525.116	126.464
525.591	128.364
526.067	130
526.542	130
527.018	130
527.493	130
527.968	130
528.443	131.5505
528.918	133.213
529.393	134.8755
529.867	136.5345
530.342	139.736
530.816	143.528
531.291	147.328
531.765	151.12
532.239	154.7925
532.713	158.3475
533.187	161.9025
533.661	165.4575
534.135	168
534.608	168
535.082	168
535.555	168
536.029	168.261
536.502	172.518
536.975	176.775
537.448	181.032
537.921	185.289
538.394	189.152
538.867	192.936
539.339	196.712
539.812	200.496
540.284	204.698
540.757	209.1915
541.229	213.6755
541.701	218.1595
542.173	222.557
542.645	226.805
543.117	231.053
543.588	235.292
544.06	239.39
544.531	242.4515
545.003	245.5195
545.474	248.581
545.945	251.6425
546.416	255.744

546.887	259.983
547.358	264.222
547.829	268.461
548.299	275.083
548.77	283.09
549.24	291.08
549.711	299.087
550.181	304.6335
550.651	306.2785
551.121	307.9235
551.591	309.5685
552.061	311.976
552.531	319.496
553	327
553.47	334.52
553.939	342.024
554.409	348.317
554.878	354.414
555.347	360.511
555.816	366.608
556.285	373.845
556.754	381.818
557.222	389.774
557.691	397.747
558.159	404.431
558.628	408.652
559.096	412.864
559.564	417.076
560.032	421.224
560.5	424.5
560.968	427.776
561.436	431.052
561.903	434.321
562.371	441.1215
562.838	448.827
563.306	456.549
563.773	464.2545
564.24	472.32
564.707	480.726
565.174	489.132
565.641	497.538
566.108	505.026
566.574	509.453
567.041	513.8895
567.507	518.3165
567.973	522.7435
568.44	531.14

568.906	539.761
569.372	548.382
569.838	557.003
570.304	565.32
570.769	573.4575
571.235	581.6125
571.7	589.75
572.166	598.735
572.631	609.1975
573.096	619.66
573.561	630.1225
574.026	640.507
574.491	649.5745
574.956	658.642
575.42	667.69
575.885	676.7575
576.349	688.772
576.814	701.792
577.278	714.784
577.742	727.776
578.206	740.562
578.67	753.09
579.134	765.618
579.598	778.146
580.061	790.6775
580.525	803.4375
580.988	816.17
581.452	828.93
581.915	841.6625
582.378	856.096
582.841	870.912
583.304	885.728
583.766	900.512
584.229	914.7555
584.692	928.414
585.154	942.043
585.617	955.7015
586.079	970.3575
586.541	989.9925
587.003	1009.628
587.465	1029.263
587.927	1048.898
588.389	1065.615
588.85	1081.75
589.312	1097.92
589.773	1114.055
590.235	1131.283

590.696	1149.492
591.157	1167.702
591.618	1185.911
592.079	1205.069
592.54	1228.81
593.001	1252.552
593.461	1276.242
593.922	1299.983
594.382	1318.707
594.842	1336.417
595.303	1354.166
595.763	1371.876
596.223	1391.704
596.683	1413.784
597.143	1435.864
597.602	1457.896
598.062	1480.069
598.521	1502.79
598.981	1525.56
599.44	1548.28
599.899	1571.001
600.358	1591.931
600.817	1612.357
601.276	1632.782
601.735	1653.208
602.193	1672.72
602.652	1691.08
603.11	1709.4
603.569	1727.76
604.027	1745.945
604.485	1761.975
604.943	1778.005
605.401	1794.035
605.859	1810.065
606.317	1827.522
606.774	1845.573
607.232	1863.664
607.689	1881.716
608.146	1898.088
608.604	1910.912
609.061	1923.708
609.518	1936.504
609.975	1949.3
610.431	1964.008
610.888	1978.86
611.345	1993.713
611.801	2008.533

612.258	2021.192
612.714	2032.136
613.17	2043.08
613.626	2054.024
614.082	2064.681
614.538	2074.029
614.994	2083.377
615.449	2092.705
615.905	2102.053
616.36	2110.66
616.816	2119.096
617.271	2127.514
617.726	2135.931
618.181	2144.892
618.636	2154.674
619.091	2164.457
619.546	2174.239
620	2184
620.455	2198.333
620.909	2212.634
621.363	2226.935
621.818	2241.267
622.272	2254.616
622.726	2267.328
623.18	2280.04
623.633	2292.724
624.087	2305.523
624.541	2318.689
624.994	2331.826
625.448	2344.992
625.901	2358.129
626.354	2377.461
626.807	2398.526
627.26	2419.59
627.713	2440.655
628.166	2461.138
628.618	2480.574
629.071	2500.053
629.523	2519.489
629.976	2538.968
630.428	2565.038
630.88	2591.48
631.332	2617.922
631.784	2644.364
632.236	2674.228
632.688	2707.224
633.139	2740.147

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635.847	2908.279
636.298	2939.797
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648.881	4096.53
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650.672	4309.872
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656.481	4935.581
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