

Supplementary Information

Infrared Spectra

OH + (*E*)- and (*Z*)-1-chloro-3,3,3-trifluoropropene-1 (CF₃CH=CHCl) Reaction Rate Coefficients: Stereoisomer Dependent Reactivity

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Cross sections are in units of $\text{cm}^2 \text{ molecule}^{-1}$, base e

Wavenumber	(E)-CF ₃ CH=CHCl	(Z)-CF ₃ CH=CHCl
500.445	0.000E+00	4.226E-20
500.927	0.000E+00	4.231E-20
501.409	5.695E-22	4.170E-20
501.891	0.000E+00	4.138E-20
502.374	0.000E+00	4.326E-20
502.856	0.000E+00	4.538E-20
503.338	0.000E+00	4.528E-20
503.820	0.000E+00	4.214E-20
504.302	2.237E-21	3.856E-20
504.784	0.000E+00	3.883E-20
505.266	0.000E+00	4.219E-20
505.748	0.000E+00	4.297E-20
506.231	0.000E+00	4.275E-20
506.713	0.000E+00	4.231E-20
507.195	0.000E+00	4.203E-20
507.677	0.000E+00	4.059E-20
508.159	0.000E+00	3.927E-20
508.641	2.813E-21	3.717E-20
509.123	4.097E-21	3.442E-20
509.605	5.086E-21	3.359E-20
510.088	4.885E-21	3.316E-20
510.570	3.107E-21	3.120E-20
511.052	9.375E-21	2.816E-20
511.534	1.262E-20	2.526E-20
512.016	1.231E-20	2.290E-20
512.498	1.087E-20	2.133E-20
512.980	7.893E-21	1.977E-20
513.462	6.940E-21	1.784E-20
513.945	6.834E-21	1.475E-20
514.427	4.336E-21	1.287E-20
514.909	3.823E-21	1.182E-20
515.391	6.751E-21	1.062E-20
515.873	6.193E-21	9.399E-21
516.355	0.000E+00	8.858E-21
516.837	0.000E+00	8.565E-21
517.319	1.339E-21	9.559E-21
517.802	6.003E-21	9.910E-21
518.284	7.014E-21	7.785E-21
518.766	4.260E-21	5.481E-21
519.248	0.000E+00	5.444E-21
519.730	0.000E+00	5.710E-21
520.212	2.039E-21	5.937E-21
520.694	2.621E-21	5.134E-21
521.177	3.869E-21	5.835E-21
521.659	7.687E-21	7.224E-21

522.141	6.021E-21	7.633E-21
522.623	0.000E+00	7.203E-21
523.105	0.000E+00	8.299E-21
523.587	7.837E-22	9.571E-21
524.069	5.859E-22	9.995E-21
524.551	0.000E+00	9.237E-21
525.033	0.000E+00	7.849E-21
525.516	0.000E+00	7.866E-21
525.998	0.000E+00	8.254E-21
526.480	0.000E+00	8.513E-21
526.962	2.083E-21	9.784E-21
527.444	3.161E-21	1.065E-20
527.926	6.921E-21	1.196E-20
528.408	6.427E-21	1.264E-20
528.890	3.935E-21	1.320E-20
529.373	7.919E-22	1.319E-20
529.855	3.642E-21	1.341E-20
530.337	9.665E-21	1.392E-20
530.819	1.220E-20	1.574E-20
531.301	1.086E-20	1.798E-20
531.783	8.617E-21	1.889E-20
532.265	5.259E-21	1.884E-20
532.747	3.513E-21	2.060E-20
533.230	2.208E-21	2.242E-20
533.712	3.030E-21	2.329E-20
534.194	5.074E-21	2.562E-20
534.676	2.575E-21	2.721E-20
535.158	6.113E-23	2.826E-20
535.640	0.000E+00	2.937E-20
536.122	0.000E+00	3.084E-20
536.604	3.625E-22	3.491E-20
537.087	0.000E+00	3.732E-20
537.569	0.000E+00	3.917E-20
538.051	5.824E-21	4.048E-20
538.533	4.428E-21	4.179E-20
539.015	0.000E+00	4.183E-20
539.497	0.000E+00	4.387E-20
539.979	1.600E-21	4.528E-20
540.461	3.628E-21	4.574E-20
540.943	7.310E-21	4.782E-20
541.426	9.014E-21	4.967E-20
541.908	8.231E-21	5.041E-20
542.390	6.695E-21	5.173E-20
542.872	6.093E-21	5.433E-20
543.354	6.699E-21	5.741E-20
543.836	7.517E-21	5.806E-20
544.318	6.787E-21	5.835E-20
544.801	5.682E-21	5.815E-20

545.283	3.155E-21	5.826E-20
545.765	4.442E-21	5.873E-20
546.247	6.880E-21	5.836E-20
546.729	8.606E-21	5.736E-20
547.211	8.459E-21	5.651E-20
547.693	5.763E-21	5.438E-20
548.175	4.343E-21	5.430E-20
548.658	1.933E-21	5.438E-20
549.140	3.437E-21	5.379E-20
549.622	7.141E-21	5.273E-20
550.104	6.640E-21	5.283E-20
550.586	5.751E-21	5.286E-20
551.068	6.957E-21	5.281E-20
551.550	9.875E-21	4.911E-20
552.032	9.353E-21	4.677E-20
552.514	9.660E-21	4.511E-20
552.997	9.638E-21	4.336E-20
553.479	9.412E-21	3.934E-20
553.961	7.347E-21	3.352E-20
554.443	4.736E-21	3.598E-20
554.925	4.985E-21	6.151E-20
555.407	4.293E-21	5.690E-20
555.889	3.559E-21	4.536E-20
556.371	4.201E-21	4.372E-20
556.854	6.118E-21	4.053E-20
557.336	3.932E-21	3.792E-20
557.818	1.482E-21	3.483E-20
558.300	2.706E-21	3.253E-20
558.782	8.263E-21	3.119E-20
559.264	5.799E-21	3.025E-20
559.746	1.906E-21	2.821E-20
560.229	2.646E-21	2.502E-20
560.711	2.816E-21	2.135E-20
561.193	0.000E+00	2.040E-20
561.675	0.000E+00	1.975E-20
562.157	0.000E+00	1.884E-20
562.639	5.198E-21	1.864E-20
563.121	7.509E-21	1.802E-20
563.603	5.304E-21	1.589E-20
564.086	7.130E-21	1.454E-20
564.568	6.398E-21	1.401E-20
565.050	3.549E-21	1.346E-20
565.532	3.621E-21	1.260E-20
566.014	2.693E-21	1.289E-20
566.496	2.990E-21	1.207E-20
566.978	3.263E-21	1.024E-20
567.460	2.338E-21	8.628E-21
567.942	8.549E-21	7.253E-21

568.425	2.451E-21	3.932E-21
568.907	0.000E+00	7.697E-21
569.389	0.000E+00	1.480E-20
569.871	3.317E-21	1.393E-20
570.353	5.871E-21	1.331E-20
570.835	6.486E-21	1.221E-20
571.317	6.911E-21	1.110E-20
571.799	5.484E-21	1.019E-20
572.282	4.778E-21	1.027E-20
572.764	6.115E-21	1.046E-20
573.246	6.467E-21	1.024E-20
573.728	7.415E-21	1.020E-20
574.210	6.536E-21	1.063E-20
574.692	4.939E-21	9.770E-21
575.174	3.771E-21	1.047E-20
575.657	4.476E-21	1.084E-20
576.139	5.264E-21	1.046E-20
576.621	4.596E-21	9.961E-21
577.103	1.378E-21	1.120E-20
577.585	2.093E-21	1.213E-20
578.067	7.638E-21	1.154E-20
578.549	6.941E-21	1.141E-20
579.031	5.073E-21	1.177E-20
579.514	6.070E-21	1.221E-20
579.996	3.629E-21	1.255E-20
580.478	2.323E-21	1.233E-20
580.960	1.577E-21	1.216E-20
581.442	2.644E-21	1.314E-20
581.924	4.067E-21	1.360E-20
582.406	4.145E-21	1.293E-20
582.888	3.096E-21	1.316E-20
583.370	3.594E-21	1.361E-20
583.853	3.645E-21	1.274E-20
584.335	5.001E-21	1.179E-20
584.817	3.261E-21	1.167E-20
585.299	1.274E-21	1.284E-20
585.781	2.386E-21	1.347E-20
586.263	4.645E-21	1.357E-20
586.745	6.017E-21	1.375E-20
587.227	6.146E-21	1.391E-20
587.710	3.708E-21	1.376E-20
588.192	5.380E-21	1.267E-20
588.674	6.701E-21	1.290E-20
589.156	5.860E-21	1.321E-20
589.638	3.069E-21	1.281E-20
590.120	3.814E-21	1.198E-20
590.602	6.033E-21	1.191E-20
591.085	5.918E-21	1.135E-20

591.567	3.604E-21	1.247E-20
592.049	1.541E-21	1.298E-20
592.531	9.229E-22	1.261E-20
593.013	1.004E-21	1.222E-20
593.495	1.473E-22	1.215E-20
593.977	8.786E-22	1.144E-20
594.459	3.774E-22	1.102E-20
594.942	1.661E-22	1.172E-20
595.424	1.608E-21	1.173E-20
595.906	1.943E-21	1.082E-20
596.388	5.343E-22	1.032E-20
596.870	1.960E-21	9.535E-21
597.352	1.699E-21	8.460E-21
597.834	2.121E-21	8.623E-21
598.316	2.613E-21	9.361E-21
598.798	1.378E-21	9.475E-21
599.281	1.650E-21	9.066E-21
599.763	1.319E-21	9.273E-21
600.245	0.000E+00	8.370E-21
600.727	2.749E-21	7.639E-21
601.209	3.617E-21	7.584E-21
601.691	2.605E-21	7.995E-21
602.173	1.319E-21	7.484E-21
602.655	3.431E-22	6.047E-21
603.138	7.483E-22	5.623E-21
603.620	6.057E-22	5.259E-21
604.102	1.895E-21	5.316E-21
604.584	2.493E-21	5.192E-21
605.066	4.543E-22	4.233E-21
605.548	5.802E-22	4.625E-21
606.030	1.720E-21	5.721E-21
606.513	8.262E-22	4.779E-21
606.995	0.000E+00	4.940E-21
607.477	0.000E+00	4.923E-21
607.959	1.092E-21	4.359E-21
608.441	1.904E-21	3.954E-21
608.923	1.068E-21	4.057E-21
609.405	1.027E-21	4.337E-21
609.887	1.030E-21	4.302E-21
610.369	2.986E-21	3.986E-21
610.852	2.807E-21	3.723E-21
611.334	1.101E-21	2.810E-21
611.816	9.129E-22	1.668E-21
612.298	1.010E-21	1.838E-21
612.780	3.842E-22	2.010E-21
613.262	9.119E-22	1.793E-21
613.744	1.119E-21	1.904E-21
614.226	1.867E-21	2.113E-21

614.709	1.723E-21	2.570E-21
615.191	1.386E-21	2.355E-21
615.673	0.000E+00	2.268E-21
616.155	0.000E+00	1.836E-21
616.637	3.147E-22	1.746E-21
617.119	1.393E-22	2.303E-21
617.601	1.366E-21	1.936E-21
618.083	3.690E-21	1.126E-21
618.566	3.448E-21	1.205E-21
619.048	1.464E-21	1.590E-21
619.530	0.000E+00	1.620E-21
620.012	0.000E+00	1.138E-21
620.494	0.000E+00	1.331E-21
620.976	6.366E-22	8.419E-22
621.458	4.656E-22	4.894E-22
621.940	0.000E+00	7.912E-22
622.423	2.201E-22	1.475E-21
622.905	2.366E-21	1.349E-21
623.387	0.000E+00	6.020E-22
623.869	0.000E+00	7.595E-22
624.351	2.619E-21	1.029E-21
624.833	3.202E-21	8.719E-22
625.315	1.677E-22	1.310E-21
625.797	8.277E-22	1.279E-21
626.279	1.980E-21	1.144E-21
626.762	1.769E-21	1.003E-21
627.244	3.044E-22	7.942E-22
627.726	0.000E+00	3.380E-22
628.208	0.000E+00	6.929E-22
628.690	0.000E+00	1.041E-21
629.172	0.000E+00	1.025E-21
629.654	1.157E-21	6.997E-22
630.136	3.638E-23	8.804E-22
630.619	0.000E+00	7.260E-22
631.101	0.000E+00	5.561E-22
631.583	0.000E+00	0.000E+00
632.065	0.000E+00	2.650E-22
632.547	0.000E+00	3.433E-22
633.029	0.000E+00	2.086E-22
633.511	2.265E-22	7.908E-22
633.994	1.937E-22	1.132E-21
634.476	3.931E-22	1.252E-21
634.958	0.000E+00	1.040E-21
635.440	0.000E+00	2.301E-22
635.922	0.000E+00	5.438E-22
636.404	0.000E+00	9.843E-22
636.886	5.420E-22	1.322E-21
637.368	1.159E-21	1.560E-21

637.851	1.744E-21	1.346E-21
638.333	1.814E-21	1.234E-21
638.815	1.014E-21	1.382E-21
639.297	7.507E-22	1.141E-21
639.779	1.100E-21	7.819E-22
640.261	2.153E-21	0.000E+00
640.743	1.140E-21	1.567E-22
641.225	0.000E+00	4.864E-22
641.707	3.514E-22	0.000E+00
642.190	2.152E-21	0.000E+00
642.672	2.504E-21	9.328E-22
643.154	2.597E-21	1.166E-21
643.636	1.014E-21	7.334E-22
644.118	5.062E-22	8.895E-22
644.600	8.536E-22	4.567E-22
645.082	8.625E-22	0.000E+00
645.564	1.198E-21	7.802E-22
646.047	2.734E-21	1.485E-21
646.529	1.440E-21	1.556E-21
647.011	1.669E-21	2.417E-21
647.493	2.906E-21	2.206E-21
647.975	3.364E-21	7.880E-22
648.457	2.264E-21	7.662E-22
648.939	4.316E-21	1.467E-21
649.422	5.757E-21	1.123E-21
649.904	6.190E-21	6.782E-22
650.386	6.170E-21	1.844E-21
650.868	7.552E-21	1.724E-21
651.350	7.112E-21	1.633E-21
651.832	6.961E-21	1.974E-21
652.314	6.053E-21	1.767E-21
652.796	5.366E-21	1.600E-21
653.279	5.464E-21	2.625E-21
653.761	9.748E-21	2.521E-21
654.243	1.363E-20	1.573E-21
654.725	1.717E-20	2.489E-21
655.207	2.124E-20	2.681E-21
655.689	2.682E-20	1.364E-21
656.171	3.287E-20	2.274E-21
656.653	4.190E-20	2.962E-21
657.135	5.207E-20	3.256E-21
657.618	6.469E-20	4.128E-21
658.100	8.075E-20	3.974E-21
658.582	1.007E-19	3.153E-21
659.064	1.243E-19	2.959E-21
659.546	1.538E-19	3.299E-21
660.028	1.867E-19	3.203E-21
660.510	2.217E-19	3.022E-21

660.992	2.588E-19	3.471E-21
661.475	3.011E-19	3.741E-21
661.957	3.428E-19	4.176E-21
662.439	3.821E-19	4.111E-21
662.921	4.104E-19	3.653E-21
663.403	4.322E-19	4.219E-21
663.885	4.412E-19	4.759E-21
664.367	4.420E-19	5.182E-21
664.850	4.263E-19	5.214E-21
665.332	3.985E-19	4.927E-21
665.814	3.575E-19	4.781E-21
666.296	3.188E-19	4.799E-21
666.778	3.000E-19	7.382E-21
667.260	3.362E-19	2.272E-20
667.742	4.005E-19	3.486E-20
668.224	5.285E-19	2.609E-20
668.707	5.373E-19	1.574E-20
669.189	3.356E-19	1.122E-20
669.671	2.589E-19	1.004E-20
670.153	2.957E-19	8.679E-21
670.635	3.542E-19	8.298E-21
671.117	4.067E-19	9.293E-21
671.599	4.497E-19	1.010E-20
672.081	4.735E-19	1.049E-20
672.563	4.828E-19	1.170E-20
673.046	4.722E-19	1.206E-20
673.528	4.483E-19	1.145E-20
674.010	4.103E-19	1.266E-20
674.492	3.679E-19	1.415E-20
674.974	3.210E-19	1.437E-20
675.456	2.748E-19	1.564E-20
675.938	2.281E-19	1.682E-20
676.420	1.865E-19	1.744E-20
676.903	1.499E-19	1.843E-20
677.385	1.190E-19	2.063E-20
677.867	9.334E-20	2.109E-20
678.349	7.344E-20	2.146E-20
678.831	5.729E-20	2.286E-20
679.313	4.316E-20	2.367E-20
679.795	3.209E-20	2.451E-20
680.278	2.570E-20	2.661E-20
680.760	2.046E-20	2.803E-20
681.242	1.617E-20	2.843E-20
681.724	1.460E-20	2.960E-20
682.206	1.468E-20	3.219E-20
682.688	1.427E-20	3.343E-20
683.170	1.364E-20	3.428E-20
683.652	1.124E-20	3.627E-20

684.135	8.828E-21	3.867E-20
684.617	6.932E-21	3.973E-20
685.099	7.498E-21	4.162E-20
685.581	5.750E-21	4.380E-20
686.063	4.652E-21	4.555E-20
686.545	5.333E-21	4.734E-20
687.027	5.039E-21	5.026E-20
687.509	3.649E-21	5.250E-20
687.991	3.249E-21	5.423E-20
688.474	3.428E-21	5.678E-20
688.956	3.605E-21	5.885E-20
689.438	2.247E-21	5.981E-20
689.920	1.849E-21	6.278E-20
690.402	1.954E-21	6.629E-20
690.884	3.188E-21	6.836E-20
691.366	3.531E-21	7.149E-20
691.848	2.575E-21	7.446E-20
692.331	2.555E-21	7.627E-20
692.813	2.729E-22	7.863E-20
693.295	5.519E-21	8.162E-20
693.777	1.364E-20	8.390E-20
694.259	1.042E-20	8.605E-20
694.741	1.061E-20	8.875E-20
695.223	8.297E-21	9.107E-20
695.705	4.961E-21	9.305E-20
696.188	4.237E-21	9.573E-20
696.670	4.223E-21	9.897E-20
697.152	3.463E-21	1.015E-19
697.634	4.125E-21	1.033E-19
698.116	3.057E-21	1.055E-19
698.598	2.210E-21	1.078E-19
699.080	3.047E-21	1.097E-19
699.562	4.528E-21	1.123E-19
700.045	4.161E-21	1.148E-19
700.527	4.513E-21	1.164E-19
701.009	4.935E-21	1.171E-19
701.491	5.001E-21	1.179E-19
701.973	5.718E-21	1.191E-19
702.455	5.284E-21	1.197E-19
702.937	3.286E-21	1.199E-19
703.419	1.131E-21	1.209E-19
703.902	2.912E-22	1.211E-19
704.384	1.166E-21	1.214E-19
704.866	2.067E-21	1.222E-19
705.348	3.416E-21	1.221E-19
705.830	1.757E-21	1.201E-19
706.312	9.474E-22	1.179E-19
706.794	2.220E-21	1.168E-19

707.276	2.610E-21	1.179E-19
707.759	2.909E-21	1.204E-19
708.241	3.168E-21	1.222E-19
708.723	2.778E-21	1.233E-19
709.205	2.487E-21	1.235E-19
709.687	2.682E-21	1.239E-19
710.169	3.706E-21	1.241E-19
710.651	1.505E-21	1.226E-19
711.133	0.000E+00	1.216E-19
711.615	1.185E-21	1.221E-19
712.098	9.835E-22	1.217E-19
712.580	2.263E-22	1.211E-19
713.062	2.116E-21	1.212E-19
713.544	2.516E-21	1.207E-19
714.026	1.957E-21	1.198E-19
714.508	8.632E-22	1.190E-19
714.990	1.865E-21	1.197E-19
715.472	2.775E-21	1.224E-19
715.955	2.100E-21	1.273E-19
716.437	1.446E-21	1.352E-19
716.919	8.242E-22	1.372E-19
717.401	3.500E-22	1.293E-19
717.883	1.316E-21	1.269E-19
718.365	1.491E-21	1.228E-19
718.847	7.606E-22	1.221E-19
719.330	1.226E-21	1.218E-19
719.812	2.264E-21	1.196E-19
720.294	2.119E-21	1.199E-19
720.776	1.936E-21	1.192E-19
721.258	3.070E-21	1.170E-19
721.740	2.772E-21	1.155E-19
722.222	1.509E-21	1.148E-19
722.704	1.949E-21	1.147E-19
723.187	1.875E-21	1.151E-19
723.669	2.505E-21	1.148E-19
724.151	2.598E-21	1.142E-19
724.633	3.150E-21	1.148E-19
725.115	4.457E-21	1.147E-19
725.597	4.093E-21	1.138E-19
726.079	2.855E-21	1.131E-19
726.561	2.393E-21	1.126E-19
727.043	2.238E-21	1.116E-19
727.526	2.587E-21	1.104E-19
728.008	2.864E-21	1.097E-19
728.490	2.866E-21	1.093E-19
728.972	2.394E-21	1.078E-19
729.454	2.181E-21	1.058E-19
729.936	1.354E-21	1.039E-19

730.418	1.126E-21	1.025E-19
730.900	1.327E-21	9.969E-20
731.383	1.748E-21	9.729E-20
731.865	2.816E-21	9.513E-20
732.347	2.175E-21	9.240E-20
732.829	1.816E-21	9.048E-20
733.311	2.937E-21	8.971E-20
733.793	1.807E-21	8.964E-20
734.275	4.063E-22	8.807E-20
734.758	9.681E-22	8.637E-20
735.240	2.530E-21	8.591E-20
735.722	2.418E-21	8.546E-20
736.204	1.904E-21	8.421E-20
736.686	0.000E+00	8.328E-20
737.168	0.000E+00	8.223E-20
737.650	0.000E+00	8.134E-20
738.132	8.179E-22	8.085E-20
738.615	1.710E-21	7.984E-20
739.097	2.310E-21	7.851E-20
739.579	2.786E-21	7.708E-20
740.061	1.764E-21	7.536E-20
740.543	7.601E-22	7.371E-20
741.025	8.194E-22	7.215E-20
741.507	1.877E-22	7.077E-20
741.989	0.000E+00	6.904E-20
742.471	1.892E-22	6.638E-20
742.954	1.524E-21	6.453E-20
743.436	3.461E-21	6.348E-20
743.918	2.905E-21	6.325E-20
744.400	9.542E-22	6.211E-20
744.882	8.362E-22	6.092E-20
745.364	6.552E-22	5.960E-20
745.846	7.322E-22	5.918E-20
746.328	2.446E-21	5.861E-20
746.811	2.777E-21	5.747E-20
747.293	1.770E-21	5.694E-20
747.775	2.190E-21	5.704E-20
748.257	1.118E-21	5.645E-20
748.739	0.000E+00	5.625E-20
749.221	0.000E+00	5.581E-20
749.703	8.872E-22	5.602E-20
750.186	5.994E-22	5.627E-20
750.668	7.015E-23	5.683E-20
751.150	4.099E-22	5.772E-20
751.632	1.254E-21	5.806E-20
752.114	1.988E-21	5.889E-20
752.596	2.012E-21	6.074E-20
753.078	1.502E-21	6.300E-20

753.560	2.519E-21	6.490E-20
754.043	1.787E-21	6.687E-20
754.525	0.000E+00	6.995E-20
755.007	0.000E+00	7.324E-20
755.489	0.000E+00	7.741E-20
755.971	7.464E-22	8.268E-20
756.453	1.226E-21	8.782E-20
756.935	1.121E-21	9.238E-20
757.417	9.879E-22	9.846E-20
757.899	0.000E+00	1.047E-19
758.382	0.000E+00	1.115E-19
758.864	0.000E+00	1.159E-19
759.346	1.428E-21	1.187E-19
759.828	9.607E-22	1.220E-19
760.310	4.605E-22	1.241E-19
760.792	7.550E-22	1.250E-19
761.274	2.154E-21	1.250E-19
761.756	2.655E-21	1.236E-19
762.239	2.261E-21	1.219E-19
762.721	5.054E-22	1.206E-19
763.203	6.056E-22	1.207E-19
763.685	1.573E-21	1.207E-19
764.167	2.379E-21	1.196E-19
764.649	1.942E-21	1.195E-19
765.131	9.807E-22	1.228E-19
765.614	0.000E+00	1.277E-19
766.096	5.698E-22	1.281E-19
766.578	1.768E-21	1.236E-19
767.060	2.113E-21	1.173E-19
767.542	1.694E-21	1.151E-19
768.024	1.525E-21	1.215E-19
768.506	1.510E-21	1.290E-19
768.988	1.619E-21	1.322E-19
769.471	1.973E-21	1.266E-19
769.953	2.010E-21	1.222E-19
770.435	1.218E-21	1.226E-19
770.917	1.310E-21	1.239E-19
771.399	3.627E-22	1.252E-19
771.881	0.000E+00	1.258E-19
772.363	1.336E-22	1.251E-19
772.845	5.617E-22	1.222E-19
773.327	1.300E-21	1.163E-19
773.810	2.119E-21	1.089E-19
774.292	1.491E-21	1.004E-19
774.774	1.661E-21	9.139E-20
775.256	2.481E-21	8.201E-20
775.738	1.994E-21	7.242E-20
776.220	1.353E-21	6.294E-20

776.702	1.507E-21	5.373E-20
777.184	7.254E-22	4.497E-20
777.667	1.595E-21	3.783E-20
778.149	1.518E-21	3.153E-20
778.631	0.000E+00	2.592E-20
779.113	1.775E-22	2.172E-20
779.595	2.866E-21	1.849E-20
780.077	3.501E-21	1.573E-20
780.559	2.810E-21	1.310E-20
781.041	2.479E-21	1.146E-20
781.524	3.402E-21	1.008E-20
782.006	3.184E-21	9.001E-21
782.488	3.079E-21	7.988E-21
782.970	3.676E-21	7.206E-21
783.452	2.846E-21	6.612E-21
783.934	2.833E-21	5.726E-21
784.416	2.948E-21	5.276E-21
784.898	2.266E-21	5.155E-21
785.381	2.532E-21	5.403E-21
785.863	3.378E-21	5.077E-21
786.345	3.397E-21	4.128E-21
786.827	3.041E-21	3.677E-21
787.309	3.693E-21	4.008E-21
787.791	4.663E-21	4.198E-21
788.273	5.121E-21	4.005E-21
788.755	5.199E-21	3.011E-21
789.237	4.348E-21	2.943E-21
789.720	4.596E-21	2.974E-21
790.202	6.120E-21	2.936E-21
790.684	5.846E-21	2.755E-21
791.166	5.447E-21	2.309E-21
791.648	4.941E-21	1.838E-21
792.130	4.883E-21	2.547E-21
792.612	6.616E-21	3.382E-21
793.095	6.121E-21	3.026E-21
793.577	3.971E-21	2.371E-21
794.059	3.641E-21	2.010E-21
794.541	5.589E-21	2.554E-21
795.023	6.026E-21	2.587E-21
795.505	5.877E-21	1.412E-21
795.987	6.460E-21	6.153E-22
796.469	6.663E-21	9.771E-22
796.952	5.598E-21	1.526E-21
797.434	5.934E-21	1.942E-21
797.916	6.767E-21	1.535E-21
798.398	7.363E-21	1.340E-21
798.880	7.897E-21	2.439E-21
799.362	8.990E-21	2.149E-21

799.844	9.327E-21	1.188E-21
800.326	9.604E-21	9.845E-22
800.808	9.215E-21	3.500E-21
801.291	8.810E-21	3.229E-21
801.773	7.656E-21	3.411E-21
802.255	6.710E-21	2.977E-21
802.737	7.726E-21	2.786E-21
803.219	8.562E-21	2.387E-21
803.701	8.610E-21	2.733E-21
804.183	9.585E-21	2.948E-21
804.665	8.992E-21	2.651E-21
805.148	7.077E-21	2.610E-21
805.630	8.400E-21	2.542E-21
806.112	7.826E-21	2.086E-21
806.594	6.578E-21	2.400E-21
807.076	6.921E-21	2.449E-21
807.558	7.375E-21	2.314E-21
808.040	7.893E-21	2.405E-21
808.523	6.906E-21	2.580E-21
809.005	6.646E-21	2.569E-21
809.487	4.312E-21	2.640E-21
809.969	3.978E-21	2.922E-21
810.451	7.124E-21	2.805E-21
810.933	7.573E-21	2.438E-21
811.415	7.154E-21	2.694E-21
811.897	7.224E-21	2.973E-21
812.380	7.823E-21	3.072E-21
812.862	8.476E-21	2.598E-21
813.344	8.510E-21	2.555E-21
813.826	7.315E-21	2.232E-21
814.308	6.047E-21	1.653E-21
814.790	6.347E-21	1.740E-21
815.272	7.415E-21	2.434E-21
815.754	7.601E-21	3.052E-21
816.236	6.671E-21	3.185E-21
816.719	6.011E-21	2.517E-21
817.201	7.374E-21	2.117E-21
817.683	8.456E-21	2.284E-21
818.165	8.263E-21	2.749E-21
818.647	7.966E-21	2.942E-21
819.129	8.014E-21	2.767E-21
819.611	7.293E-21	2.114E-21
820.093	6.881E-21	2.807E-21
820.576	8.324E-21	3.471E-21
821.058	9.783E-21	3.315E-21
821.540	1.027E-20	3.364E-21
822.022	1.168E-20	3.050E-21
822.504	1.088E-20	2.750E-21

822.986	9.724E-21	2.738E-21
823.468	1.080E-20	2.459E-21
823.951	1.199E-20	2.086E-21
824.433	1.229E-20	2.751E-21
824.915	1.374E-20	2.839E-21
825.397	1.442E-20	2.234E-21
825.879	1.461E-20	2.799E-21
826.361	1.627E-20	3.910E-21
826.843	1.896E-20	4.080E-21
827.325	2.144E-20	3.724E-21
827.808	2.333E-20	3.856E-21
828.290	2.611E-20	4.475E-21
828.772	2.985E-20	4.724E-21
829.254	3.187E-20	4.463E-21
829.736	3.614E-20	4.440E-21
830.218	4.403E-20	4.515E-21
830.700	5.117E-20	4.981E-21
831.182	5.859E-20	4.970E-21
831.664	6.839E-20	5.135E-21
832.147	8.103E-20	4.741E-21
832.629	9.509E-20	2.834E-21
833.111	1.099E-19	3.230E-21
833.593	1.268E-19	4.816E-21
834.075	1.470E-19	5.215E-21
834.557	1.705E-19	5.497E-21
835.039	1.973E-19	5.924E-21
835.521	2.269E-19	5.439E-21
836.004	2.590E-19	4.837E-21
836.486	2.945E-19	5.419E-21
836.968	3.317E-19	5.873E-21
837.450	3.714E-19	5.415E-21
837.932	4.126E-19	5.055E-21
838.414	4.525E-19	5.303E-21
838.896	4.916E-19	5.824E-21
839.379	5.289E-19	6.221E-21
839.861	5.609E-19	6.147E-21
840.343	5.878E-19	6.180E-21
840.825	6.083E-19	5.551E-21
841.307	6.212E-19	5.364E-21
841.789	6.294E-19	5.810E-21
842.271	6.345E-19	6.479E-21
842.753	6.326E-19	6.625E-21
843.236	6.240E-19	6.266E-21
843.718	6.188E-19	6.331E-21
844.200	6.220E-19	6.341E-21
844.682	6.170E-19	6.538E-21
845.164	5.954E-19	6.745E-21
845.646	5.866E-19	6.155E-21

846.128	6.122E-19	6.315E-21
846.610	6.705E-19	6.510E-21
847.092	7.123E-19	6.213E-21
847.575	6.690E-19	6.027E-21
848.057	5.929E-19	5.516E-21
848.539	5.892E-19	5.468E-21
849.021	6.293E-19	5.764E-21
849.503	6.638E-19	6.108E-21
849.985	6.812E-19	5.783E-21
850.467	6.753E-19	3.127E-21
850.949	6.478E-19	3.510E-21
851.432	6.019E-19	4.187E-21
851.914	5.415E-19	4.755E-21
852.396	4.724E-19	4.849E-21
852.878	3.982E-19	4.328E-21
853.360	3.260E-19	4.126E-21
853.842	2.604E-19	4.870E-21
854.324	2.028E-19	6.177E-21
854.807	1.549E-19	7.487E-21
855.289	1.167E-19	8.239E-21
855.771	8.667E-20	9.512E-21
856.253	6.596E-20	1.094E-20
856.735	5.338E-20	1.191E-20
857.217	4.511E-20	1.362E-20
857.699	3.974E-20	1.588E-20
858.181	3.712E-20	1.836E-20
858.663	3.677E-20	2.147E-20
859.146	3.675E-20	2.434E-20
859.628	3.638E-20	2.794E-20
860.110	3.648E-20	3.242E-20
860.592	3.793E-20	3.765E-20
861.074	4.007E-20	4.356E-20
861.556	4.252E-20	5.100E-20
862.038	4.374E-20	5.814E-20
862.520	4.514E-20	6.617E-20
863.003	4.814E-20	7.496E-20
863.485	5.178E-20	8.362E-20
863.967	5.646E-20	9.175E-20
864.449	5.896E-20	9.951E-20
864.931	6.105E-20	1.062E-19
865.413	6.525E-20	1.122E-19
865.895	6.992E-20	1.171E-19
866.377	7.485E-20	1.198E-19
866.860	7.939E-20	1.198E-19
867.342	8.440E-20	1.179E-19
867.824	9.007E-20	1.128E-19
868.306	9.465E-20	1.058E-19
868.788	9.958E-20	9.840E-20

869.270	1.052E-19	9.263E-20
869.752	1.094E-19	8.984E-20
870.234	1.136E-19	9.397E-20
870.717	1.175E-19	1.097E-19
871.199	1.210E-19	1.381E-19
871.681	1.230E-19	1.654E-19
872.163	1.236E-19	1.705E-19
872.645	1.234E-19	1.307E-19
873.127	1.228E-19	8.167E-20
873.609	1.218E-19	6.824E-20
874.091	1.201E-19	7.383E-20
874.574	1.188E-19	8.418E-20
875.056	1.195E-19	9.543E-20
875.538	1.205E-19	1.064E-19
876.020	1.214E-19	1.149E-19
876.502	1.221E-19	1.203E-19
876.984	1.238E-19	1.224E-19
877.466	1.219E-19	1.217E-19
877.948	1.214E-19	1.179E-19
878.431	1.209E-19	1.112E-19
878.913	1.200E-19	1.024E-19
879.395	1.216E-19	9.287E-20
879.877	1.218E-19	8.249E-20
880.359	1.198E-19	7.210E-20
880.841	1.172E-19	6.151E-20
881.323	1.137E-19	5.189E-20
881.805	1.079E-19	4.329E-20
882.288	1.014E-19	3.555E-20
882.770	9.472E-20	2.861E-20
883.252	8.807E-20	2.296E-20
883.734	8.148E-20	1.860E-20
884.216	7.587E-20	1.524E-20
884.698	7.084E-20	1.222E-20
885.180	6.642E-20	9.525E-21
885.662	6.173E-20	7.506E-21
886.145	5.789E-20	5.999E-21
886.627	5.417E-20	5.101E-21
887.109	5.110E-20	4.602E-21
887.591	4.889E-20	4.107E-21
888.073	4.667E-20	3.380E-21
888.555	4.478E-20	3.030E-21
889.037	4.299E-20	2.703E-21
889.519	4.110E-20	2.368E-21
890.002	3.891E-20	2.338E-21
890.484	3.634E-20	2.354E-21
890.966	3.458E-20	2.156E-21
891.448	3.278E-20	2.065E-21
891.930	3.191E-20	1.885E-21

892.412	3.089E-20	1.725E-21
892.894	2.909E-20	1.636E-21
893.376	2.834E-20	1.760E-21
893.859	2.713E-20	1.817E-21
894.341	2.533E-20	1.250E-21
894.823	2.366E-20	1.079E-21
895.305	2.372E-20	1.212E-21
895.787	2.425E-20	1.442E-21
896.269	2.332E-20	1.602E-21
896.751	2.303E-20	1.288E-21
897.234	2.276E-20	1.161E-21
897.716	2.151E-20	1.064E-21
898.198	2.034E-20	8.039E-22
898.680	1.889E-20	7.572E-22
899.162	1.827E-20	5.483E-22
899.644	1.868E-20	8.649E-22
900.126	1.862E-20	5.929E-22
900.608	1.824E-20	3.027E-22
901.091	1.725E-20	5.221E-22
901.573	1.671E-20	7.300E-22
902.055	1.749E-20	7.608E-22
902.537	1.868E-20	1.198E-21
903.019	1.930E-20	1.381E-21
903.501	1.826E-20	1.560E-21
903.983	1.708E-20	1.620E-21
904.465	1.751E-20	1.001E-21
904.947	1.887E-20	1.337E-21
905.430	2.103E-20	1.921E-21
905.912	2.222E-20	1.559E-21
906.394	2.249E-20	1.200E-21
906.876	2.101E-20	1.436E-21
907.358	2.013E-20	1.681E-21
907.840	2.231E-20	1.752E-21
908.322	2.426E-20	1.691E-21
908.804	2.518E-20	1.487E-21
909.287	2.660E-20	1.353E-21
909.769	2.828E-20	1.286E-21
910.251	3.027E-20	1.395E-21
910.733	3.257E-20	1.142E-21
911.215	3.515E-20	1.122E-21
911.697	3.735E-20	1.153E-21
912.179	3.955E-20	1.269E-21
912.661	4.177E-20	1.503E-21
913.144	4.463E-20	1.513E-21
913.626	4.785E-20	1.569E-21
914.108	5.224E-20	1.598E-21
914.590	5.596E-20	1.515E-21
915.072	5.985E-20	1.618E-21

915.554	6.494E-20	1.331E-21
916.036	6.949E-20	1.138E-21
916.518	7.426E-20	8.896E-22
917.000	7.958E-20	1.117E-21
917.483	8.440E-20	1.301E-21
917.965	8.959E-20	1.285E-21
918.447	9.690E-20	1.267E-21
918.929	1.048E-19	1.302E-21
919.411	1.103E-19	1.245E-21
919.893	1.152E-19	9.010E-22
920.375	1.214E-19	6.015E-22
920.857	1.288E-19	9.314E-22
921.340	1.375E-19	8.188E-22
921.822	1.462E-19	6.306E-22
922.304	1.537E-19	9.327E-22
922.786	1.612E-19	1.431E-21
923.268	1.698E-19	1.489E-21
923.750	1.786E-19	1.541E-21
924.232	1.873E-19	1.548E-21
924.715	1.993E-19	1.689E-21
925.197	2.028E-19	1.717E-21
925.679	2.044E-19	1.300E-21
926.161	2.089E-19	1.204E-21
926.643	2.160E-19	1.119E-21
927.125	2.237E-19	4.357E-22
927.607	2.321E-19	3.260E-23
928.089	2.394E-19	5.328E-22
928.572	2.447E-19	1.001E-21
929.054	2.490E-19	7.741E-22
929.536	2.537E-19	4.721E-22
930.018	2.590E-19	6.769E-22
930.500	2.631E-19	6.211E-22
930.982	2.672E-19	2.834E-22
931.464	2.719E-19	0.000E+00
931.946	2.761E-19	0.000E+00
932.428	2.779E-19	2.293E-23
932.911	2.814E-19	0.000E+00
933.393	2.862E-19	0.000E+00
933.875	2.942E-19	2.204E-22
934.357	3.077E-19	0.000E+00
934.839	3.117E-19	0.000E+00
935.321	2.861E-19	4.489E-22
935.803	2.650E-19	4.734E-22
936.285	2.632E-19	5.234E-22
936.768	2.634E-19	6.803E-22
937.250	2.617E-19	9.162E-22
937.732	2.585E-19	8.030E-22
938.214	2.535E-19	1.013E-21

938.696	2.472E-19	9.761E-22
939.178	2.402E-19	3.956E-22
939.660	2.327E-19	1.330E-22
940.143	2.256E-19	4.018E-22
940.625	2.184E-19	1.806E-22
941.107	2.119E-19	0.000E+00
941.589	2.054E-19	1.802E-22
942.071	1.982E-19	3.167E-22
942.553	1.892E-19	0.000E+00
943.035	1.806E-19	0.000E+00
943.517	1.724E-19	4.193E-24
944.000	1.648E-19	3.344E-22
944.482	1.579E-19	4.758E-22
944.964	1.503E-19	2.949E-22
945.446	1.414E-19	1.875E-22
945.928	1.319E-19	0.000E+00
946.410	1.244E-19	0.000E+00
946.892	1.190E-19	0.000E+00
947.374	1.126E-19	5.825E-23
947.856	1.044E-19	1.422E-22
948.339	9.717E-20	3.212E-22
948.821	9.075E-20	5.431E-22
949.303	8.331E-20	5.230E-22
949.785	7.770E-20	2.399E-22
950.267	7.435E-20	8.558E-23
950.749	7.086E-20	2.797E-21
951.231	6.576E-20	2.787E-21
951.713	6.105E-20	2.634E-21
952.196	5.670E-20	2.430E-21
952.678	5.219E-20	2.293E-21
953.160	4.672E-20	2.380E-21
953.642	4.403E-20	2.804E-21
954.124	4.362E-20	3.319E-21
954.606	4.169E-20	3.125E-21
955.088	3.750E-20	2.788E-21
955.571	3.340E-20	2.499E-21
956.053	3.082E-20	2.721E-21
956.535	2.930E-20	3.274E-21
957.017	2.813E-20	3.418E-21
957.499	2.821E-20	2.950E-21
957.981	2.723E-20	3.155E-21
958.463	2.501E-20	3.321E-21
958.945	2.339E-20	3.464E-21
959.428	2.312E-20	3.130E-21
959.910	2.268E-20	3.061E-21
960.392	2.268E-20	3.332E-21
960.874	2.320E-20	3.536E-21
961.356	2.363E-20	3.617E-21

961.838	2.345E-20	3.669E-21
962.320	2.309E-20	3.499E-21
962.802	2.380E-20	3.365E-21
963.284	2.458E-20	3.716E-21
963.767	2.494E-20	3.746E-21
964.249	2.471E-20	4.009E-21
964.731	2.442E-20	4.258E-21
965.213	2.366E-20	3.943E-21
965.695	2.263E-20	3.877E-21
966.177	2.286E-20	4.229E-21
966.659	2.391E-20	4.157E-21
967.141	2.361E-20	4.151E-21
967.624	2.180E-20	4.233E-21
968.106	2.127E-20	4.133E-21
968.588	2.237E-20	3.959E-21
969.070	2.229E-20	3.894E-21
969.552	2.075E-20	3.999E-21
970.034	1.994E-20	4.431E-21
970.516	1.981E-20	5.120E-21
970.999	1.977E-20	5.114E-21
971.481	2.034E-20	4.361E-21
971.963	2.117E-20	4.099E-21
972.445	2.066E-20	4.270E-21
972.927	2.066E-20	4.468E-21
973.409	2.151E-20	4.736E-21
973.891	2.162E-20	4.634E-21
974.373	2.121E-20	4.420E-21
974.856	2.113E-20	4.487E-21
975.338	2.102E-20	4.682E-21
975.820	1.974E-20	4.521E-21
976.302	1.861E-20	4.411E-21
976.784	1.820E-20	4.526E-21
977.266	1.748E-20	4.577E-21
977.748	1.710E-20	4.868E-21
978.230	1.679E-20	4.748E-21
978.712	1.545E-20	4.474E-21
979.195	1.457E-20	4.322E-21
979.677	1.443E-20	4.345E-21
980.159	1.324E-20	4.467E-21
980.641	1.212E-20	4.283E-21
981.123	1.263E-20	3.476E-21
981.605	1.352E-20	3.244E-21
982.087	1.361E-20	3.828E-21
982.569	1.294E-20	4.103E-21
983.052	1.304E-20	4.018E-21
983.534	1.357E-20	4.007E-21
984.016	1.352E-20	4.026E-21
984.498	1.351E-20	3.901E-21

984.980	1.315E-20	3.886E-21
985.462	1.323E-20	3.749E-21
985.944	1.366E-20	3.739E-21
986.427	1.377E-20	4.108E-21
986.909	1.326E-20	4.354E-21
987.391	1.338E-20	3.722E-21
987.873	1.349E-20	3.753E-21
988.355	1.341E-20	3.827E-21
988.837	1.328E-20	3.853E-21
989.319	1.265E-20	4.244E-21
989.801	1.210E-20	3.938E-21
990.283	1.168E-20	3.201E-21
990.766	1.206E-20	2.773E-21
991.248	1.191E-20	3.402E-21
991.730	1.154E-20	3.704E-21
992.212	1.094E-20	3.958E-21
992.694	1.059E-20	4.043E-21
993.176	1.035E-20	3.740E-21
993.658	1.108E-20	3.575E-21
994.140	1.221E-20	3.817E-21
994.623	1.223E-20	4.182E-21
995.105	1.149E-20	4.102E-21
995.587	1.127E-20	3.850E-21
996.069	1.167E-20	3.515E-21
996.551	1.158E-20	3.608E-21
997.033	1.131E-20	3.841E-21
997.515	1.138E-20	3.872E-21
997.997	1.149E-20	3.826E-21
998.480	1.194E-20	3.713E-21
998.962	1.140E-20	3.567E-21
999.444	1.039E-20	3.511E-21
999.926	1.050E-20	3.659E-21
1000.410	1.025E-20	1.675E-21
1000.890	1.093E-20	1.604E-21
1001.370	1.192E-20	1.256E-21
1001.850	1.209E-20	1.225E-21
1002.340	1.258E-20	1.317E-21
1002.820	1.172E-20	1.376E-21
1003.300	1.073E-20	1.132E-21
1003.780	1.175E-20	9.414E-22
1004.260	1.244E-20	1.174E-21
1004.750	1.244E-20	1.710E-21
1005.230	1.305E-20	1.998E-21
1005.710	1.348E-20	2.104E-21
1006.190	1.316E-20	1.897E-21
1006.680	1.319E-20	1.229E-21
1007.160	1.285E-20	1.122E-21
1007.640	1.269E-20	1.477E-21

1008.120	1.285E-20	1.435E-21
1008.600	1.262E-20	1.257E-21
1009.090	1.326E-20	1.066E-21
1009.570	1.370E-20	1.364E-21
1010.050	1.302E-20	1.496E-21
1010.530	1.232E-20	1.443E-21
1011.010	1.195E-20	1.892E-21
1011.500	1.160E-20	1.897E-21
1011.980	1.137E-20	1.879E-21
1012.460	1.100E-20	1.951E-21
1012.940	1.056E-20	1.985E-21
1013.420	1.025E-20	1.847E-21
1013.910	9.987E-21	1.973E-21
1014.390	1.023E-20	2.131E-21
1014.870	1.032E-20	2.190E-21
1015.350	1.015E-20	2.129E-21
1015.840	9.403E-21	2.042E-21
1016.320	8.938E-21	1.621E-21
1016.800	9.120E-21	1.559E-21
1017.280	9.434E-21	1.764E-21
1017.760	9.397E-21	1.985E-21
1018.250	8.030E-21	1.910E-21
1018.730	7.087E-21	1.976E-21
1019.210	6.939E-21	2.098E-21
1019.690	5.650E-21	2.204E-21
1020.170	5.286E-21	2.076E-21
1020.660	5.933E-21	2.039E-21
1021.140	6.080E-21	1.945E-21
1021.620	5.375E-21	2.078E-21
1022.100	5.170E-21	2.100E-21
1022.590	5.222E-21	1.880E-21
1023.070	4.953E-21	1.858E-21
1023.550	4.204E-21	2.022E-21
1024.030	2.881E-21	1.992E-21
1024.510	2.225E-21	2.116E-21
1025.000	3.594E-21	1.935E-21
1025.480	4.397E-21	1.867E-21
1025.960	3.920E-21	2.054E-21
1026.440	2.532E-21	1.963E-21
1026.920	2.396E-21	2.186E-21
1027.410	2.701E-21	2.432E-21
1027.890	2.654E-21	1.871E-21
1028.370	3.609E-21	1.577E-21
1028.850	4.555E-21	1.935E-21
1029.340	4.145E-21	2.495E-21
1029.820	3.070E-21	2.366E-21
1030.300	1.024E-21	1.864E-21
1030.780	1.605E-21	1.244E-21

1031.260	1.349E-21	1.721E-21
1031.750	5.499E-22	2.333E-21
1032.230	5.647E-22	2.588E-21
1032.710	8.027E-22	2.470E-21
1033.190	6.154E-22	2.350E-21
1033.670	4.540E-22	2.350E-21
1034.160	1.037E-21	2.437E-21
1034.640	1.893E-21	2.594E-21
1035.120	1.964E-21	2.528E-21
1035.600	2.425E-21	2.325E-21
1036.090	4.033E-21	2.908E-21
1036.570	4.779E-21	3.152E-21
1037.050	3.888E-21	3.175E-21
1037.530	3.286E-21	2.822E-21
1038.010	3.399E-21	2.813E-21
1038.500	3.395E-21	3.085E-21
1038.980	3.755E-21	3.293E-21
1039.460	4.605E-21	3.464E-21
1039.940	3.132E-21	3.733E-21
1040.420	3.277E-21	3.596E-21
1040.910	5.119E-21	3.516E-21
1041.390	5.443E-21	3.693E-21
1041.870	4.736E-21	3.887E-21
1042.350	5.670E-21	3.976E-21
1042.840	6.874E-21	4.276E-21
1043.320	6.503E-21	4.111E-21
1043.800	6.313E-21	3.726E-21
1044.280	6.839E-21	4.068E-21
1044.760	6.495E-21	4.664E-21
1045.250	6.162E-21	4.885E-21
1045.730	7.147E-21	4.389E-21
1046.210	6.351E-21	4.293E-21
1046.690	5.752E-21	5.049E-21
1047.170	5.914E-21	4.988E-21
1047.660	5.605E-21	4.948E-21
1048.140	6.190E-21	5.316E-21
1048.620	6.841E-21	6.013E-21
1049.100	6.796E-21	6.181E-21
1049.590	7.062E-21	5.764E-21
1050.070	7.183E-21	5.560E-21
1050.550	6.250E-21	5.420E-21
1051.030	6.445E-21	5.400E-21
1051.510	6.957E-21	5.454E-21
1051.990	6.918E-21	5.093E-21
1052.480	6.708E-21	5.007E-21
1052.960	6.778E-21	5.396E-21
1053.440	6.556E-21	5.293E-21
1053.920	7.151E-21	5.117E-21

1054.410	7.185E-21	5.386E-21
1054.890	6.856E-21	5.075E-21
1055.370	6.410E-21	4.578E-21
1055.850	5.993E-21	4.501E-21
1056.330	5.815E-21	4.434E-21
1056.820	6.158E-21	4.611E-21
1057.300	6.333E-21	4.750E-21
1057.780	6.715E-21	4.471E-21
1058.260	6.780E-21	4.484E-21
1058.740	7.073E-21	4.722E-21
1059.230	7.508E-21	4.914E-21
1059.710	7.289E-21	4.764E-21
1060.190	7.084E-21	4.748E-21
1060.670	7.304E-21	4.382E-21
1061.160	7.508E-21	3.824E-21
1061.640	7.440E-21	4.568E-21
1062.120	7.475E-21	5.320E-21
1062.600	7.285E-21	4.728E-21
1063.080	7.128E-21	4.792E-21
1063.570	8.188E-21	5.352E-21
1064.050	8.193E-21	5.713E-21
1064.530	7.678E-21	5.707E-21
1065.010	7.366E-21	5.350E-21
1065.490	8.482E-21	5.092E-21
1065.980	9.196E-21	4.970E-21
1066.460	9.084E-21	4.915E-21
1066.940	9.124E-21	4.734E-21
1067.420	9.309E-21	5.032E-21
1067.900	9.129E-21	5.561E-21
1068.390	9.493E-21	5.109E-21
1068.870	8.964E-21	4.925E-21
1069.350	9.643E-21	5.106E-21
1069.830	9.738E-21	5.282E-21
1070.320	8.456E-21	5.325E-21
1070.800	7.426E-21	5.401E-21
1071.280	7.720E-21	5.653E-21
1071.760	8.010E-21	5.308E-21
1072.240	8.406E-21	4.996E-21
1072.730	8.373E-21	5.608E-21
1073.210	8.317E-21	6.116E-21
1073.690	8.754E-21	5.899E-21
1074.170	9.345E-21	5.608E-21
1074.650	9.373E-21	5.248E-21
1075.140	9.422E-21	5.397E-21
1075.620	9.735E-21	5.815E-21
1076.100	9.090E-21	6.085E-21
1076.580	9.306E-21	6.072E-21
1077.070	1.050E-20	5.993E-21

1077.550	1.109E-20	6.114E-21
1078.030	1.189E-20	6.028E-21
1078.510	1.160E-20	5.963E-21
1078.990	1.041E-20	6.105E-21
1079.480	9.720E-21	6.286E-21
1079.960	1.091E-20	6.542E-21
1080.440	1.160E-20	6.219E-21
1080.920	1.100E-20	5.748E-21
1081.400	1.083E-20	6.261E-21
1081.890	1.127E-20	6.592E-21
1082.370	1.205E-20	6.822E-21
1082.850	1.189E-20	6.530E-21
1083.330	1.141E-20	6.143E-21
1083.820	1.148E-20	6.301E-21
1084.300	1.142E-20	6.415E-21
1084.780	1.100E-20	6.634E-21
1085.260	1.117E-20	6.916E-21
1085.740	1.209E-20	6.710E-21
1086.230	1.231E-20	6.589E-21
1086.710	1.227E-20	7.048E-21
1087.190	1.223E-20	7.378E-21
1087.670	1.267E-20	7.529E-21
1088.150	1.270E-20	7.625E-21
1088.640	1.285E-20	7.541E-21
1089.120	1.318E-20	7.743E-21
1089.600	1.311E-20	7.809E-21
1090.080	1.374E-20	7.797E-21
1090.570	1.367E-20	7.676E-21
1091.050	1.308E-20	7.737E-21
1091.530	1.341E-20	7.852E-21
1092.010	1.404E-20	8.628E-21
1092.490	1.448E-20	9.092E-21
1092.980	1.433E-20	9.102E-21
1093.460	1.435E-20	9.027E-21
1093.940	1.472E-20	9.044E-21
1094.420	1.506E-20	8.713E-21
1094.900	1.481E-20	8.446E-21
1095.390	1.437E-20	8.808E-21
1095.870	1.387E-20	9.228E-21
1096.350	1.406E-20	8.922E-21
1096.830	1.422E-20	9.325E-21
1097.320	1.356E-20	9.592E-21
1097.800	1.318E-20	9.489E-21
1098.280	1.443E-20	9.981E-21
1098.760	1.500E-20	1.072E-20
1099.240	1.542E-20	1.097E-20
1099.730	1.646E-20	1.077E-20
1100.210	1.682E-20	1.089E-20

1100.690	1.603E-20	1.098E-20
1101.170	1.649E-20	1.151E-20
1101.650	1.689E-20	1.211E-20
1102.140	1.787E-20	1.193E-20
1102.620	1.929E-20	1.191E-20
1103.100	2.021E-20	1.249E-20
1103.580	2.025E-20	1.343E-20
1104.070	2.021E-20	1.369E-20
1104.550	2.116E-20	1.396E-20
1105.030	2.203E-20	1.450E-20
1105.510	2.322E-20	1.526E-20
1105.990	2.498E-20	1.558E-20
1106.470	2.609E-20	1.632E-20
1106.960	2.698E-20	1.748E-20
1107.440	2.808E-20	1.804E-20
1107.920	2.956E-20	1.823E-20
1108.400	3.072E-20	1.973E-20
1108.890	3.334E-20	2.076E-20
1109.370	3.570E-20	2.178E-20
1109.850	3.655E-20	2.469E-20
1110.330	3.755E-20	2.962E-20
1110.820	3.878E-20	2.944E-20
1111.300	4.029E-20	2.828E-20
1111.780	4.188E-20	2.958E-20
1112.260	4.286E-20	3.125E-20
1112.740	4.423E-20	3.299E-20
1113.220	4.620E-20	3.476E-20
1113.710	4.709E-20	3.724E-20
1114.190	4.856E-20	3.996E-20
1114.670	5.068E-20	4.273E-20
1115.150	5.229E-20	4.570E-20
1115.640	5.506E-20	4.910E-20
1116.120	5.916E-20	5.330E-20
1116.600	6.321E-20	5.763E-20
1117.080	6.756E-20	6.233E-20
1117.560	7.134E-20	6.761E-20
1118.050	7.460E-20	7.320E-20
1118.530	7.788E-20	7.906E-20
1119.010	8.040E-20	8.529E-20
1119.490	8.367E-20	9.161E-20
1119.970	8.643E-20	9.786E-20
1120.460	8.923E-20	1.037E-19
1120.940	9.176E-20	1.090E-19
1121.420	9.434E-20	1.147E-19
1121.900	9.771E-20	1.200E-19
1122.380	1.013E-19	1.242E-19
1122.870	1.048E-19	1.284E-19
1123.350	1.089E-19	1.327E-19

1123.830	1.126E-19	1.379E-19
1124.310	1.177E-19	1.441E-19
1124.800	1.230E-19	1.506E-19
1125.280	1.278E-19	1.581E-19
1125.760	1.329E-19	1.668E-19
1126.240	1.389E-19	1.758E-19
1126.720	1.460E-19	1.851E-19
1127.210	1.535E-19	1.954E-19
1127.690	1.601E-19	2.059E-19
1128.170	1.667E-19	2.175E-19
1128.650	1.739E-19	2.307E-19
1129.130	1.813E-19	2.441E-19
1129.620	1.880E-19	2.591E-19
1130.100	1.960E-19	2.774E-19
1130.580	2.047E-19	2.989E-19
1131.060	2.136E-19	3.240E-19
1131.550	2.231E-19	3.524E-19
1132.030	2.336E-19	3.841E-19
1132.510	2.463E-19	4.194E-19
1132.990	2.610E-19	4.591E-19
1133.470	2.776E-19	5.025E-19
1133.960	2.969E-19	5.494E-19
1134.440	3.207E-19	6.003E-19
1134.920	3.486E-19	6.543E-19
1135.400	3.780E-19	7.099E-19
1135.880	4.095E-19	7.677E-19
1136.370	4.440E-19	8.281E-19
1136.850	4.823E-19	8.911E-19
1137.330	5.244E-19	9.536E-19
1137.810	5.707E-19	1.015E-18
1138.300	6.215E-19	1.076E-18
1138.780	6.760E-19	1.138E-18
1139.260	7.333E-19	1.204E-18
1139.740	7.969E-19	1.276E-18
1140.220	8.633E-19	1.349E-18
1140.710	9.304E-19	1.429E-18
1141.190	1.005E-18	1.527E-18
1141.670	1.087E-18	1.631E-18
1142.150	1.177E-18	1.681E-18
1142.630	1.274E-18	1.685E-18
1143.120	1.375E-18	1.726E-18
1143.600	1.473E-18	1.811E-18
1144.080	1.564E-18	1.860E-18
1144.560	1.641E-18	1.892E-18
1145.050	1.722E-18	1.957E-18
1145.530	1.823E-18	2.028E-18
1146.010	1.929E-18	2.088E-18
1146.490	2.025E-18	2.152E-18

1146.970	2.107E-18	2.216E-18
1147.460	2.197E-18	2.274E-18
1147.940	2.313E-18	2.334E-18
1148.420	2.438E-18	2.397E-18
1148.900	2.565E-18	2.458E-18
1149.380	2.695E-18	2.516E-18
1149.870	2.815E-18	2.568E-18
1150.350	2.921E-18	2.608E-18
1150.830	3.010E-18	2.635E-18
1151.310	3.079E-18	2.644E-18
1151.800	3.126E-18	2.636E-18
1152.280	3.146E-18	2.609E-18
1152.760	3.138E-18	2.565E-18
1153.240	3.112E-18	2.507E-18
1153.720	3.073E-18	2.439E-18
1154.210	3.021E-18	2.364E-18
1154.690	2.959E-18	2.285E-18
1155.170	2.894E-18	2.201E-18
1155.650	2.820E-18	2.118E-18
1156.130	2.747E-18	2.040E-18
1156.620	2.664E-18	1.966E-18
1157.100	2.579E-18	1.901E-18
1157.580	2.485E-18	1.846E-18
1158.060	2.394E-18	1.799E-18
1158.550	2.307E-18	1.760E-18
1159.030	2.210E-18	1.728E-18
1159.510	2.153E-18	1.702E-18
1159.990	2.074E-18	1.680E-18
1160.470	1.939E-18	1.662E-18
1160.950	1.865E-18	1.646E-18
1161.440	1.824E-18	1.632E-18
1161.920	1.694E-18	1.619E-18
1162.400	1.559E-18	1.605E-18
1162.880	1.474E-18	1.593E-18
1163.370	1.400E-18	1.580E-18
1163.850	1.322E-18	1.556E-18
1164.330	1.250E-18	1.531E-18
1164.810	1.178E-18	1.521E-18
1165.300	1.109E-18	1.515E-18
1165.780	1.045E-18	1.500E-18
1166.260	9.849E-19	1.471E-18
1166.740	9.267E-19	1.448E-18
1167.220	8.727E-19	1.442E-18
1167.700	8.224E-19	1.415E-18
1168.190	7.748E-19	1.381E-18
1168.670	7.289E-19	1.374E-18
1169.150	6.862E-19	1.371E-18
1169.630	6.457E-19	1.336E-18

1170.120	6.072E-19	1.287E-18
1170.600	5.713E-19	1.250E-18
1171.080	5.394E-19	1.224E-18
1171.560	5.083E-19	1.206E-18
1172.040	4.789E-19	1.195E-18
1172.530	4.521E-19	1.191E-18
1173.010	4.279E-19	1.190E-18
1173.490	4.059E-19	1.191E-18
1173.970	3.855E-19	1.154E-18
1174.450	3.662E-19	1.072E-18
1174.940	3.483E-19	9.889E-19
1175.420	3.320E-19	9.529E-19
1175.900	3.173E-19	9.374E-19
1176.380	3.033E-19	9.027E-19
1176.870	2.908E-19	8.657E-19
1177.350	2.791E-19	8.342E-19
1177.830	2.686E-19	8.033E-19
1178.310	2.594E-19	7.719E-19
1178.790	2.510E-19	7.429E-19
1179.280	2.430E-19	7.146E-19
1179.760	2.366E-19	6.833E-19
1180.240	2.307E-19	6.494E-19
1180.720	2.226E-19	6.174E-19
1181.200	2.148E-19	5.857E-19
1181.690	2.099E-19	5.546E-19
1182.170	2.052E-19	5.244E-19
1182.650	2.016E-19	4.949E-19
1183.130	1.984E-19	4.661E-19
1183.620	1.946E-19	4.392E-19
1184.100	1.899E-19	4.140E-19
1184.580	1.868E-19	3.903E-19
1185.060	1.843E-19	3.664E-19
1185.540	1.819E-19	3.435E-19
1186.030	1.795E-19	3.215E-19
1186.510	1.764E-19	3.010E-19
1186.990	1.735E-19	2.821E-19
1187.470	1.728E-19	2.641E-19
1187.950	1.718E-19	2.465E-19
1188.440	1.694E-19	2.303E-19
1188.920	1.665E-19	2.157E-19
1189.400	1.635E-19	2.024E-19
1189.880	1.610E-19	1.895E-19
1190.370	1.598E-19	1.781E-19
1190.850	1.585E-19	1.684E-19
1191.330	1.561E-19	1.594E-19
1191.810	1.533E-19	1.513E-19
1192.290	1.506E-19	1.442E-19
1192.780	1.489E-19	1.382E-19

1193.260	1.475E-19	1.331E-19
1193.740	1.459E-19	1.287E-19
1194.220	1.430E-19	1.256E-19
1194.700	1.402E-19	1.229E-19
1195.190	1.385E-19	1.207E-19
1195.670	1.366E-19	1.190E-19
1196.150	1.347E-19	1.185E-19
1196.630	1.328E-19	1.188E-19
1197.120	1.314E-19	1.193E-19
1197.600	1.307E-19	1.202E-19
1198.080	1.298E-19	1.216E-19
1198.560	1.286E-19	1.235E-19
1199.040	1.266E-19	1.267E-19
1199.530	1.241E-19	1.305E-19
1200.010	1.229E-19	1.347E-19
1200.490	1.225E-19	1.399E-19
1200.970	1.220E-19	1.463E-19
1201.450	1.215E-19	1.542E-19
1201.940	1.200E-19	1.641E-19
1202.420	1.190E-19	1.760E-19
1202.900	1.185E-19	1.897E-19
1203.380	1.175E-19	2.058E-19
1203.870	1.169E-19	2.250E-19
1204.350	1.175E-19	2.478E-19
1204.830	1.168E-19	2.749E-19
1205.310	1.158E-19	3.068E-19
1205.790	1.153E-19	3.439E-19
1206.280	1.155E-19	3.859E-19
1206.760	1.167E-19	4.330E-19
1207.240	1.169E-19	4.859E-19
1207.720	1.170E-19	5.449E-19
1208.200	1.178E-19	6.079E-19
1208.690	1.180E-19	6.741E-19
1209.170	1.184E-19	7.430E-19
1209.650	1.193E-19	8.125E-19
1210.130	1.202E-19	8.790E-19
1210.610	1.216E-19	9.408E-19
1211.100	1.226E-19	9.956E-19
1211.580	1.232E-19	1.042E-18
1212.060	1.241E-19	1.076E-18
1212.540	1.259E-19	1.097E-18
1213.030	1.275E-19	1.104E-18
1213.510	1.285E-19	1.100E-18
1213.990	1.293E-19	1.088E-18
1214.470	1.305E-19	1.073E-18
1214.950	1.323E-19	1.057E-18
1215.440	1.346E-19	1.052E-18
1215.920	1.369E-19	1.069E-18

1216.400	1.383E-19	1.115E-18
1216.880	1.396E-19	1.174E-18
1217.360	1.415E-19	1.219E-18
1217.850	1.430E-19	1.203E-18
1218.330	1.433E-19	1.110E-18
1218.810	1.440E-19	1.039E-18
1219.290	1.452E-19	1.017E-18
1219.780	1.464E-19	1.010E-18
1220.260	1.485E-19	9.982E-19
1220.740	1.502E-19	9.850E-19
1221.220	1.511E-19	9.790E-19
1221.700	1.521E-19	9.806E-19
1222.180	1.529E-19	9.843E-19
1222.670	1.538E-19	9.851E-19
1223.150	1.549E-19	9.784E-19
1223.630	1.567E-19	9.613E-19
1224.110	1.586E-19	9.319E-19
1224.600	1.594E-19	8.920E-19
1225.080	1.598E-19	8.430E-19
1225.560	1.607E-19	7.881E-19
1226.040	1.619E-19	7.286E-19
1226.520	1.625E-19	6.663E-19
1227.010	1.633E-19	6.035E-19
1227.490	1.638E-19	5.428E-19
1227.970	1.643E-19	4.849E-19
1228.450	1.656E-19	4.303E-19
1228.930	1.671E-19	3.802E-19
1229.420	1.680E-19	3.345E-19
1229.900	1.690E-19	2.936E-19
1230.380	1.708E-19	2.578E-19
1230.860	1.725E-19	2.265E-19
1231.350	1.740E-19	1.985E-19
1231.830	1.755E-19	1.743E-19
1232.310	1.781E-19	1.537E-19
1232.790	1.801E-19	1.361E-19
1233.270	1.811E-19	1.213E-19
1233.760	1.828E-19	1.097E-19
1234.240	1.855E-19	1.001E-19
1234.720	1.888E-19	9.209E-20
1235.200	1.924E-19	8.587E-20
1235.680	1.968E-19	8.080E-20
1236.170	2.005E-19	7.629E-20
1236.650	2.044E-19	7.264E-20
1237.130	2.087E-19	6.971E-20
1237.610	2.145E-19	6.747E-20
1238.100	2.211E-19	6.565E-20
1238.580	2.278E-19	6.442E-20
1239.060	2.349E-19	6.383E-20

1239.540	2.435E-19	6.361E-20
1240.020	2.523E-19	6.327E-20
1240.510	2.615E-19	6.308E-20
1240.990	2.724E-19	6.373E-20
1241.470	2.832E-19	6.468E-20
1241.950	2.934E-19	6.600E-20
1242.430	3.050E-19	6.785E-20
1242.920	3.171E-19	6.933E-20
1243.400	3.290E-19	7.113E-20
1243.880	3.415E-19	7.306E-20
1244.360	3.550E-19	7.522E-20
1244.850	3.693E-19	7.808E-20
1245.330	3.828E-19	8.129E-20
1245.810	3.971E-19	8.441E-20
1246.290	4.123E-19	8.787E-20
1246.770	4.269E-19	9.170E-20
1247.260	4.412E-19	9.584E-20
1247.740	4.566E-19	1.005E-19
1248.220	4.716E-19	1.054E-19
1248.700	4.855E-19	1.103E-19
1249.180	4.987E-19	1.160E-19
1249.670	5.119E-19	1.220E-19
1250.150	5.250E-19	1.283E-19
1250.630	5.371E-19	1.353E-19
1251.110	5.489E-19	1.432E-19
1251.600	5.606E-19	1.520E-19
1252.080	5.709E-19	1.618E-19
1252.560	5.806E-19	1.720E-19
1253.040	5.892E-19	1.838E-19
1253.520	5.963E-19	1.921E-19
1254.010	6.023E-19	1.967E-19
1254.490	6.071E-19	2.041E-19
1254.970	6.111E-19	2.133E-19
1255.450	6.147E-19	2.234E-19
1255.930	6.143E-19	2.342E-19
1256.420	6.095E-19	2.450E-19
1256.900	6.051E-19	2.553E-19
1257.380	6.057E-19	2.649E-19
1257.860	6.124E-19	2.746E-19
1258.350	6.131E-19	2.845E-19
1258.830	6.034E-19	2.938E-19
1259.310	5.946E-19	3.024E-19
1259.790	5.897E-19	3.105E-19
1260.270	5.859E-19	3.183E-19
1260.760	5.826E-19	3.255E-19
1261.240	5.770E-19	3.317E-19
1261.720	5.661E-19	3.351E-19
1262.200	5.527E-19	3.358E-19

1262.680	5.384E-19	3.368E-19
1263.170	5.238E-19	3.421E-19
1263.650	5.088E-19	3.504E-19
1264.130	4.921E-19	3.583E-19
1264.610	4.757E-19	3.650E-19
1265.090	4.604E-19	3.708E-19
1265.580	4.448E-19	3.756E-19
1266.060	4.285E-19	3.780E-19
1266.540	4.122E-19	3.797E-19
1267.020	3.968E-19	3.823E-19
1267.510	3.819E-19	3.854E-19
1267.990	3.669E-19	3.883E-19
1268.470	3.523E-19	3.891E-19
1268.950	3.394E-19	3.873E-19
1269.430	3.282E-19	3.848E-19
1269.920	3.191E-19	3.830E-19
1270.400	3.106E-19	3.814E-19
1270.880	3.031E-19	3.789E-19
1271.360	2.990E-19	3.758E-19
1271.840	2.970E-19	3.722E-19
1272.330	2.957E-19	3.683E-19
1272.810	2.976E-19	3.642E-19
1273.290	3.038E-19	3.596E-19
1273.770	3.143E-19	3.540E-19
1274.260	3.279E-19	3.483E-19
1274.740	3.464E-19	3.434E-19
1275.220	3.694E-19	3.386E-19
1275.700	3.953E-19	3.333E-19
1276.180	4.237E-19	3.273E-19
1276.660	4.537E-19	3.217E-19
1277.150	4.846E-19	3.170E-19
1277.630	5.138E-19	3.128E-19
1278.110	5.396E-19	3.091E-19
1278.590	5.610E-19	3.052E-19
1279.080	5.756E-19	3.012E-19
1279.560	5.812E-19	2.975E-19
1280.040	5.778E-19	2.944E-19
1280.520	5.652E-19	2.913E-19
1281.000	5.450E-19	2.878E-19
1281.490	5.208E-19	2.836E-19
1281.970	4.981E-19	2.784E-19
1282.450	4.822E-19	2.723E-19
1282.930	4.784E-19	2.650E-19
1283.410	4.858E-19	2.572E-19
1283.900	4.957E-19	2.489E-19
1284.380	4.969E-19	2.401E-19
1284.860	4.814E-19	2.317E-19
1285.340	4.525E-19	2.237E-19

1285.830	4.375E-19	2.166E-19
1286.310	4.557E-19	2.101E-19
1286.790	4.805E-19	2.038E-19
1287.270	4.992E-19	1.978E-19
1287.750	5.077E-19	1.926E-19
1288.240	5.073E-19	1.882E-19
1288.720	4.962E-19	1.843E-19
1289.200	4.770E-19	1.805E-19
1289.680	4.526E-19	1.770E-19
1290.160	4.256E-19	1.734E-19
1290.650	3.971E-19	1.699E-19
1291.130	3.694E-19	1.669E-19
1291.610	3.435E-19	1.640E-19
1292.090	3.208E-19	1.604E-19
1292.580	3.018E-19	1.565E-19
1293.060	2.875E-19	1.522E-19
1293.540	2.781E-19	1.473E-19
1294.020	2.752E-19	1.421E-19
1294.500	2.776E-19	1.369E-19
1294.990	2.860E-19	1.319E-19
1295.470	2.990E-19	1.271E-19
1295.950	3.183E-19	1.224E-19
1296.430	3.439E-19	1.178E-19
1296.910	3.774E-19	1.136E-19
1297.400	4.163E-19	1.094E-19
1297.880	4.626E-19	1.053E-19
1298.360	5.166E-19	1.020E-19
1298.840	5.804E-19	9.873E-20
1299.330	6.530E-19	9.527E-20
1299.810	7.359E-19	9.202E-20
1300.290	8.270E-19	8.881E-20
1300.770	9.282E-19	8.581E-20
1301.250	1.037E-18	8.298E-20
1301.740	1.153E-18	8.033E-20
1302.220	1.273E-18	7.770E-20
1302.700	1.394E-18	7.476E-20
1303.180	1.511E-18	7.208E-20
1303.660	1.622E-18	6.999E-20
1304.150	1.719E-18	6.771E-20
1304.630	1.803E-18	6.531E-20
1305.110	1.868E-18	6.333E-20
1305.590	1.911E-18	6.176E-20
1306.080	1.927E-18	6.006E-20
1306.560	1.921E-18	5.801E-20
1307.040	1.894E-18	5.633E-20
1307.520	1.857E-18	5.470E-20
1308.000	1.817E-18	5.284E-20
1308.480	1.790E-18	5.108E-20

1308.970	1.777E-18	4.913E-20
1309.450	1.779E-18	4.696E-20
1309.930	1.784E-18	4.535E-20
1310.410	1.816E-18	4.429E-20
1310.900	1.858E-18	4.285E-20
1311.380	1.906E-18	4.139E-20
1311.860	1.812E-18	3.998E-20
1312.340	1.668E-18	3.852E-20
1312.830	1.700E-18	3.731E-20
1313.310	1.798E-18	3.595E-20
1313.790	1.871E-18	3.482E-20
1314.270	1.892E-18	3.411E-20
1314.750	1.858E-18	3.328E-20
1315.230	1.771E-18	3.209E-20
1315.720	1.642E-18	3.102E-20
1316.200	1.481E-18	2.978E-20
1316.680	1.304E-18	2.904E-20
1317.160	1.118E-18	2.846E-20
1317.650	9.381E-19	2.766E-20
1318.130	7.711E-19	2.667E-20
1318.610	6.244E-19	2.559E-20
1319.090	4.979E-19	2.458E-20
1319.570	3.961E-19	2.395E-20
1320.060	3.141E-19	2.327E-20
1320.540	2.512E-19	2.281E-20
1321.020	2.052E-19	2.241E-20
1321.500	1.733E-19	2.194E-20
1321.980	1.491E-19	2.135E-20
1322.470	1.312E-19	2.072E-20
1322.950	1.163E-19	2.049E-20
1323.430	1.044E-19	2.015E-20
1323.910	9.371E-20	1.986E-20
1324.400	8.395E-20	1.954E-20
1324.880	7.471E-20	1.889E-20
1325.360	6.694E-20	1.837E-20
1325.840	5.962E-20	1.816E-20
1326.320	5.339E-20	1.814E-20
1326.810	4.767E-20	1.775E-20
1327.290	4.358E-20	1.738E-20
1327.770	4.035E-20	1.716E-20
1328.250	3.787E-20	1.691E-20
1328.730	3.620E-20	1.681E-20
1329.220	3.585E-20	1.666E-20
1329.700	3.548E-20	1.637E-20
1330.180	3.532E-20	1.638E-20
1330.660	3.473E-20	1.656E-20
1331.140	3.425E-20	1.646E-20
1331.630	3.310E-20	1.644E-20

1332.110	3.302E-20	1.658E-20
1332.590	3.247E-20	1.690E-20
1333.070	3.165E-20	1.711E-20
1333.560	3.018E-20	1.741E-20
1334.040	2.915E-20	1.799E-20
1334.520	2.761E-20	1.892E-20
1335.000	2.630E-20	1.937E-20
1335.480	2.487E-20	1.975E-20
1335.970	2.445E-20	2.066E-20
1336.450	2.596E-20	2.166E-20
1336.930	2.789E-20	2.283E-20
1337.410	2.577E-20	2.414E-20
1337.890	2.261E-20	2.532E-20
1338.380	2.148E-20	2.671E-20
1338.860	2.233E-20	2.834E-20
1339.340	2.349E-20	2.982E-20
1339.820	2.386E-20	3.161E-20
1340.310	2.329E-20	3.384E-20
1340.790	2.295E-20	3.614E-20
1341.270	2.230E-20	3.840E-20
1341.750	2.088E-20	4.080E-20
1342.230	1.878E-20	4.343E-20
1342.720	1.729E-20	4.640E-20
1343.200	1.524E-20	4.979E-20
1343.680	1.295E-20	5.357E-20
1344.160	1.068E-20	5.759E-20
1344.640	9.972E-21	6.141E-20
1345.130	9.070E-21	6.564E-20
1345.610	7.780E-21	7.052E-20
1346.090	7.416E-21	7.546E-20
1346.570	7.231E-21	8.065E-20
1347.060	6.666E-21	8.631E-20
1347.540	6.304E-21	9.212E-20
1348.020	5.547E-21	9.823E-20
1348.500	5.201E-21	1.048E-19
1348.980	4.847E-21	1.122E-19
1349.470	4.780E-21	1.199E-19
1349.950	5.218E-21	1.281E-19
1350.430	5.111E-21	1.367E-19
1350.910	5.926E-21	1.459E-19
1351.390	6.149E-21	1.559E-19
1351.880	6.180E-21	1.660E-19
1352.360	5.949E-21	1.769E-19
1352.840	5.074E-21	1.883E-19
1353.320	4.984E-21	2.001E-19
1353.810	4.419E-21	2.123E-19
1354.290	3.533E-21	2.249E-19
1354.770	3.604E-21	2.381E-19

1355.250	4.507E-21	2.517E-19
1355.730	4.763E-21	2.651E-19
1356.220	5.030E-21	2.787E-19
1356.700	4.970E-21	2.922E-19
1357.180	4.765E-21	3.055E-19
1357.660	4.639E-21	3.181E-19
1358.140	4.952E-21	3.297E-19
1358.630	4.717E-21	3.410E-19
1359.110	4.601E-21	3.513E-19
1359.590	5.341E-21	3.605E-19
1360.070	5.770E-21	3.686E-19
1360.560	4.892E-21	3.758E-19
1361.040	4.519E-21	3.822E-19
1361.520	5.494E-21	3.878E-19
1362.000	5.833E-21	3.932E-19
1362.480	4.757E-21	3.986E-19
1362.970	3.743E-21	4.045E-19
1363.450	4.233E-21	4.109E-19
1363.930	5.412E-21	4.188E-19
1364.410	5.704E-21	4.283E-19
1364.890	5.665E-21	4.407E-19
1365.380	5.483E-21	4.547E-19
1365.860	5.677E-21	4.674E-19
1366.340	5.694E-21	4.749E-19
1366.820	5.783E-21	4.737E-19
1367.310	5.834E-21	4.631E-19
1367.790	5.712E-21	4.467E-19
1368.270	4.984E-21	4.284E-19
1368.750	4.775E-21	4.114E-19
1369.230	4.890E-21	3.981E-19
1369.710	4.995E-21	3.898E-19
1370.200	5.448E-21	3.854E-19
1370.680	6.059E-21	3.811E-19
1371.160	5.557E-21	3.758E-19
1371.640	4.823E-21	3.700E-19
1372.130	4.887E-21	3.636E-19
1372.610	4.729E-21	3.559E-19
1373.090	4.217E-21	3.473E-19
1373.570	4.002E-21	3.380E-19
1374.050	4.652E-21	3.280E-19
1374.540	5.684E-21	3.172E-19
1375.020	5.856E-21	3.058E-19
1375.500	6.111E-21	2.929E-19
1375.980	6.095E-21	2.785E-19
1376.460	6.621E-21	2.634E-19
1376.950	6.792E-21	2.484E-19
1377.430	6.685E-21	2.348E-19
1377.910	7.038E-21	2.225E-19

1378.390	7.862E-21	2.107E-19
1378.880	8.753E-21	1.999E-19
1379.360	9.698E-21	1.902E-19
1379.840	9.766E-21	1.807E-19
1380.320	9.618E-21	1.714E-19
1380.800	1.026E-20	1.625E-19
1381.290	1.098E-20	1.539E-19
1381.770	1.097E-20	1.454E-19
1382.250	1.073E-20	1.375E-19
1382.730	1.039E-20	1.299E-19
1383.210	9.882E-21	1.224E-19
1383.700	9.493E-21	1.151E-19
1384.180	9.103E-21	1.084E-19
1384.660	8.928E-21	1.021E-19
1385.140	9.271E-21	9.596E-20
1385.620	9.789E-21	9.016E-20
1386.110	1.144E-20	8.483E-20
1386.590	1.399E-20	7.982E-20
1387.070	1.162E-20	7.562E-20
1387.550	5.161E-21	7.159E-20
1388.040	8.498E-21	6.790E-20
1388.520	1.264E-20	6.469E-20
1389.000	1.255E-20	6.131E-20
1389.480	1.309E-20	5.838E-20
1389.960	1.334E-20	5.571E-20
1390.450	1.315E-20	5.320E-20
1390.930	1.330E-20	5.129E-20
1391.410	1.309E-20	4.949E-20
1391.890	1.264E-20	4.756E-20
1392.380	1.220E-20	4.580E-20
1392.860	1.167E-20	4.451E-20
1393.340	1.122E-20	4.352E-20
1393.820	1.078E-20	4.236E-20
1394.300	8.499E-21	4.139E-20
1394.790	8.641E-21	4.057E-20
1395.270	9.871E-21	3.981E-20
1395.750	1.004E-20	3.908E-20
1396.230	1.047E-20	3.867E-20
1396.710	1.081E-20	3.860E-20
1397.200	1.022E-20	3.860E-20
1397.680	9.342E-21	3.843E-20
1398.160	9.411E-21	3.811E-20
1398.640	8.854E-21	3.803E-20
1399.120	7.943E-21	3.808E-20
1399.610	8.763E-21	3.814E-20
1400.090	9.321E-21	3.848E-20
1400.570	9.343E-21	3.893E-20
1401.050	9.553E-21	3.932E-20

1401.540	9.711E-21	3.963E-20
1402.020	9.620E-21	4.008E-20
1402.500	9.964E-21	4.053E-20
1402.980	1.025E-20	4.070E-20
1403.460	1.074E-20	4.132E-20
1403.950	1.080E-20	4.199E-20
1404.430	1.018E-20	4.259E-20
1404.910	9.564E-21	4.321E-20
1405.390	1.004E-20	4.370E-20
1405.880	1.008E-20	4.414E-20
1406.360	1.031E-20	4.433E-20
1406.840	1.046E-20	4.444E-20
1407.320	1.047E-20	4.473E-20
1407.800	1.059E-20	4.497E-20
1408.290	1.064E-20	4.526E-20
1408.770	1.028E-20	4.559E-20
1409.250	1.042E-20	4.592E-20
1409.730	1.076E-20	4.632E-20
1410.210	1.100E-20	4.672E-20
1410.700	1.117E-20	4.697E-20
1411.180	1.094E-20	4.734E-20
1411.660	1.068E-20	4.723E-20
1412.140	1.081E-20	4.673E-20
1412.620	1.135E-20	4.616E-20
1413.110	1.148E-20	4.565E-20
1413.590	1.059E-20	4.551E-20
1414.070	1.037E-20	4.553E-20
1414.550	1.096E-20	4.560E-20
1415.040	1.131E-20	4.586E-20
1415.520	1.185E-20	4.562E-20
1416.000	1.190E-20	4.557E-20
1416.480	1.092E-20	4.550E-20
1416.960	9.870E-21	4.511E-20
1417.450	9.807E-21	4.409E-20
1417.930	1.098E-20	4.266E-20
1418.410	1.097E-20	4.154E-20
1418.890	8.456E-21	4.077E-20
1419.370	6.168E-21	3.990E-20
1419.860	9.426E-21	3.853E-20
1420.340	1.199E-20	3.740E-20
1420.820	1.214E-20	3.643E-20
1421.300	1.202E-20	3.522E-20
1421.790	1.250E-20	3.414E-20
1422.270	1.315E-20	3.340E-20
1422.750	1.299E-20	3.264E-20
1423.230	1.261E-20	3.185E-20
1423.710	1.174E-20	3.075E-20
1424.190	1.179E-20	2.964E-20

1424.680	1.272E-20	2.875E-20
1425.160	1.299E-20	2.841E-20
1425.640	1.251E-20	2.798E-20
1426.120	1.172E-20	2.731E-20
1426.610	1.155E-20	2.662E-20
1427.090	1.178E-20	2.614E-20
1427.570	1.144E-20	2.579E-20
1428.050	1.105E-20	2.538E-20
1428.530	1.088E-20	2.490E-20
1429.020	1.067E-20	2.428E-20
1429.500	9.625E-21	2.350E-20
1429.980	9.086E-21	2.291E-20
1430.460	1.021E-20	2.218E-20
1430.940	1.071E-20	2.125E-20
1431.430	1.043E-20	2.040E-20
1431.910	1.028E-20	1.972E-20
1432.390	1.033E-20	1.918E-20
1432.870	9.846E-21	1.855E-20
1433.360	1.002E-20	1.803E-20
1433.840	1.007E-20	1.739E-20
1434.320	9.732E-21	1.666E-20
1434.800	9.652E-21	1.605E-20
1435.280	9.401E-21	1.559E-20
1435.770	8.314E-21	1.517E-20
1436.250	4.731E-21	1.526E-20
1436.730	1.783E-21	1.490E-20
1437.210	4.499E-21	1.420E-20
1437.690	6.865E-21	1.392E-20
1438.180	7.119E-21	1.360E-20
1438.660	7.386E-21	1.332E-20
1439.140	7.299E-21	1.309E-20
1439.620	6.636E-21	1.269E-20
1440.110	6.297E-21	1.239E-20
1440.590	6.469E-21	1.207E-20
1441.070	6.408E-21	1.189E-20
1441.550	5.887E-21	1.176E-20
1442.030	5.781E-21	1.145E-20
1442.520	5.929E-21	1.114E-20
1443.000	5.905E-21	1.095E-20
1443.480	5.608E-21	1.080E-20
1443.960	5.511E-21	1.042E-20
1444.440	5.054E-21	1.036E-20
1444.930	4.543E-21	1.018E-20
1445.410	4.500E-21	9.794E-21
1445.890	4.591E-21	9.586E-21
1446.370	4.300E-21	9.307E-21
1446.860	4.247E-21	9.165E-21
1447.340	4.194E-21	9.206E-21

1447.820	3.193E-21	9.010E-21
1448.300	3.515E-21	8.852E-21
1448.780	4.461E-21	8.697E-21
1449.270	4.945E-21	8.392E-21
1449.750	4.971E-21	8.081E-21
1450.230	4.272E-21	8.085E-21
1450.710	4.158E-21	8.190E-21
1451.190	4.074E-21	8.098E-21
1451.680	3.740E-21	7.983E-21
1452.160	3.443E-21	8.017E-21
1452.640	4.141E-21	7.947E-21
1453.120	4.072E-21	7.922E-21
1453.610	3.641E-21	7.826E-21
1454.090	3.297E-21	7.830E-21
1454.570	3.043E-21	7.913E-21
1455.050	2.436E-21	7.739E-21
1455.530	3.060E-21	7.366E-21
1456.020	1.821E-21	7.520E-21
1456.500	0.000E+00	8.223E-21
1456.980	0.000E+00	8.355E-21
1457.460	5.849E-22	7.702E-21
1457.940	3.808E-22	7.391E-21
1458.430	4.790E-22	7.018E-21
1458.910	1.612E-21	6.973E-21
1459.390	1.495E-21	7.143E-21
1459.870	2.166E-21	7.084E-21
1460.360	3.009E-21	7.090E-21
1460.840	3.193E-21	6.902E-21
1461.320	3.051E-21	6.902E-21
1461.800	2.641E-21	7.127E-21
1462.280	2.403E-21	6.895E-21
1462.770	2.270E-21	6.693E-21
1463.250	2.415E-21	6.582E-21
1463.730	2.495E-21	6.470E-21
1464.210	1.899E-21	6.462E-21
1464.690	0.000E+00	6.815E-21
1465.180	3.033E-22	6.808E-21
1465.660	2.125E-21	6.670E-21
1466.140	2.417E-21	6.508E-21
1466.620	2.394E-21	6.250E-21
1467.100	2.573E-21	6.125E-21
1467.590	2.519E-21	6.167E-21
1468.070	2.377E-21	6.386E-21
1468.550	2.484E-21	6.388E-21
1469.030	2.632E-21	6.306E-21
1469.520	3.160E-21	6.275E-21
1470.000	3.254E-21	6.073E-21
1470.480	3.058E-21	5.768E-21

1470.960	2.697E-21	5.439E-21
1471.440	1.184E-21	5.556E-21
1471.930	0.000E+00	5.692E-21
1472.410	6.181E-22	5.222E-21
1472.890	1.598E-21	5.165E-21
1473.370	0.000E+00	5.425E-21
1473.850	5.319E-22	5.378E-21
1474.340	1.868E-21	5.467E-21
1474.820	2.113E-21	5.470E-21
1475.300	2.559E-21	5.100E-21
1475.780	1.488E-21	4.878E-21
1476.270	3.716E-22	4.882E-21
1476.750	1.677E-21	4.856E-21
1477.230	2.069E-21	4.745E-21
1477.710	1.928E-21	4.699E-21
1478.190	2.265E-21	4.671E-21
1478.670	2.311E-21	4.438E-21
1479.160	2.257E-21	4.172E-21
1479.640	2.542E-21	4.226E-21
1480.120	2.393E-21	4.061E-21
1480.600	1.920E-21	3.750E-21
1481.090	1.512E-21	3.845E-21
1481.570	1.842E-21	3.884E-21
1482.050	2.240E-21	3.443E-21
1482.530	2.474E-21	3.190E-21
1483.020	2.691E-21	3.116E-21
1483.500	2.776E-21	3.054E-21
1483.980	2.584E-21	3.069E-21
1484.460	2.130E-21	2.919E-21
1484.940	1.892E-21	2.765E-21
1485.420	2.465E-21	2.747E-21
1485.910	2.449E-21	2.534E-21
1486.390	1.904E-21	2.464E-21
1486.870	7.438E-22	2.428E-21
1487.350	0.000E+00	2.527E-21
1487.840	8.795E-22	2.481E-21
1488.320	1.699E-21	2.302E-21
1488.800	1.314E-21	2.149E-21
1489.280	3.375E-22	2.265E-21
1489.760	0.000E+00	2.519E-21
1490.250	9.868E-23	2.426E-21
1490.730	0.000E+00	2.432E-21
1491.210	4.462E-22	2.356E-21
1491.690	1.683E-21	2.482E-21
1492.170	2.428E-21	2.563E-21
1492.660	2.625E-21	2.657E-21
1493.140	2.872E-21	2.774E-21
1493.620	3.117E-21	2.733E-21

1494.100	2.723E-21	3.083E-21
1494.590	2.504E-21	3.455E-21
1495.070	2.737E-21	3.756E-21
1495.550	1.625E-21	4.039E-21
1496.030	0.000E+00	4.553E-21
1496.510	0.000E+00	4.566E-21
1497.000	1.995E-21	4.600E-21
1497.480	2.336E-21	4.917E-21
1497.960	2.485E-21	5.097E-21
1498.440	4.126E-22	5.447E-21
1498.920	0.000E+00	5.655E-21
1499.410	1.505E-21	5.700E-21
1499.890	2.348E-21	6.103E-21
1500.370	2.222E-21	6.299E-21
1500.850	1.714E-21	6.277E-21
1501.340	1.387E-21	6.406E-21
1501.820	1.800E-21	6.353E-21
1502.300	2.606E-21	6.263E-21
1502.780	3.599E-21	6.588E-21
1503.260	3.988E-21	6.686E-21
1503.750	3.921E-21	6.695E-21
1504.230	3.647E-21	7.217E-21
1504.710	3.139E-21	8.124E-21
1505.190	0.000E+00	9.210E-21
1505.670	0.000E+00	9.454E-21
1506.160	8.405E-22	9.007E-21
1506.640	0.000E+00	9.388E-21
1507.120	0.000E+00	9.504E-21
1507.600	9.291E-22	9.066E-21
1508.090	1.689E-21	9.370E-21
1508.570	1.155E-21	9.677E-21
1509.050	1.558E-21	9.953E-21
1509.530	8.593E-22	1.043E-20
1510.010	1.292E-21	1.054E-20
1510.500	2.161E-21	1.049E-20
1510.980	2.491E-21	1.045E-20
1511.460	2.225E-21	1.071E-20
1511.940	6.085E-22	1.095E-20
1512.420	2.739E-22	1.077E-20
1512.910	1.469E-21	1.045E-20
1513.390	2.103E-21	1.058E-20
1513.870	2.883E-21	1.049E-20
1514.350	2.790E-21	1.017E-20
1514.840	1.817E-21	9.976E-21
1515.320	2.097E-21	9.981E-21
1515.800	2.549E-21	9.809E-21
1516.280	1.338E-21	9.665E-21
1516.760	3.856E-22	9.787E-21

1517.240	0.000E+00	9.816E-21
1517.730	2.999E-22	9.983E-21
1518.210	1.907E-21	1.010E-20
1518.690	2.374E-21	9.790E-21
1519.170	2.203E-21	9.605E-21
1519.660	2.628E-22	9.973E-21
1520.140	0.000E+00	1.026E-20
1520.620	0.000E+00	1.019E-20
1521.100	0.000E+00	1.038E-20
1521.580	0.000E+00	1.030E-20
1522.070	0.000E+00	1.011E-20
1522.550	0.000E+00	1.010E-20
1523.030	0.000E+00	1.002E-20
1523.510	6.465E-22	9.662E-21
1523.990	1.143E-21	9.310E-21
1524.480	1.052E-21	9.144E-21
1524.960	0.000E+00	9.291E-21
1525.440	0.000E+00	9.491E-21
1525.920	9.965E-23	8.916E-21
1526.410	1.543E-21	8.526E-21
1526.890	5.632E-22	8.333E-21
1527.370	1.261E-22	8.065E-21
1527.850	9.060E-22	7.922E-21
1528.330	2.672E-22	7.675E-21
1528.820	3.702E-22	7.248E-21
1529.300	7.953E-22	6.869E-21
1529.780	1.260E-21	6.502E-21
1530.260	1.685E-21	6.337E-21
1530.740	1.478E-21	6.237E-21
1531.230	7.312E-22	6.039E-21
1531.710	5.579E-22	5.802E-21
1532.190	8.829E-22	5.330E-21
1532.670	4.034E-22	5.147E-21
1533.160	0.000E+00	5.143E-21
1533.640	0.000E+00	4.873E-21
1534.120	0.000E+00	4.892E-21
1534.600	1.445E-21	4.731E-21
1535.080	1.312E-21	4.714E-21
1535.570	1.223E-21	4.577E-21
1536.050	1.122E-21	4.223E-21
1536.530	1.720E-21	3.856E-21
1537.010	2.216E-21	3.512E-21
1537.490	2.677E-21	3.221E-21
1537.980	1.897E-21	2.931E-21
1538.460	0.000E+00	3.132E-21
1538.940	0.000E+00	3.610E-21
1539.420	0.000E+00	2.984E-21
1539.900	0.000E+00	2.709E-21

1540.390	0.000E+00	2.669E-21
1540.870	6.730E-22	1.945E-21
1541.350	1.055E-21	1.830E-21
1541.830	0.000E+00	2.218E-21
1542.320	0.000E+00	1.944E-21
1542.800	1.100E-21	1.247E-21
1543.280	8.766E-22	9.919E-22
1543.760	1.022E-21	4.166E-22
1544.240	1.467E-21	1.011E-22
1544.730	0.000E+00	6.093E-22
1545.210	0.000E+00	7.359E-22
1545.690	1.495E-21	3.494E-22
1546.170	2.931E-21	3.446E-23
1546.650	3.188E-21	0.000E+00
1547.140	3.113E-21	0.000E+00
1547.620	3.170E-21	0.000E+00
1548.100	3.260E-21	0.000E+00
1548.580	3.393E-21	2.800E-24
1549.070	3.217E-21	3.630E-23
1549.550	2.747E-21	1.089E-22
1550.030	1.839E-21	1.827E-22
1550.510	2.075E-21	0.000E+00
1550.990	2.605E-21	0.000E+00
1551.480	2.718E-21	1.735E-22
1551.960	3.341E-21	4.401E-22
1552.440	3.730E-21	1.070E-22
1552.920	3.621E-21	0.000E+00
1553.400	3.399E-21	0.000E+00
1553.890	1.132E-21	3.289E-22
1554.370	0.000E+00	3.556E-22
1554.850	1.999E-21	0.000E+00
1555.330	3.447E-21	0.000E+00
1555.820	3.373E-21	0.000E+00
1556.300	3.256E-21	0.000E+00
1556.780	2.824E-21	4.930E-23
1557.260	0.000E+00	5.001E-22
1557.740	0.000E+00	6.057E-22
1558.230	0.000E+00	7.690E-22
1558.710	0.000E+00	7.003E-22
1559.190	1.252E-23	2.624E-22
1559.670	0.000E+00	5.096E-22
1560.150	0.000E+00	9.708E-22
1560.640	0.000E+00	5.902E-22
1561.120	2.544E-21	7.998E-23
1561.600	2.509E-21	1.969E-23
1562.080	2.678E-21	3.163E-23
1562.570	2.606E-21	7.922E-23
1563.050	2.555E-21	8.209E-23

1563.530	2.411E-21	1.865E-22
1564.010	2.807E-21	4.525E-22
1564.490	1.858E-21	5.250E-22
1564.980	1.520E-21	4.111E-22
1565.460	2.317E-21	2.528E-22
1565.940	2.787E-21	2.938E-22
1566.420	2.972E-21	3.917E-22
1566.900	3.122E-21	3.517E-22
1567.390	3.178E-21	5.172E-22
1567.870	3.327E-21	6.204E-22
1568.350	2.639E-21	4.419E-22
1568.830	2.033E-21	5.749E-22
1569.320	0.000E+00	8.302E-22
1569.800	0.000E+00	6.792E-22
1570.280	6.431E-22	2.858E-22
1570.760	1.921E-21	5.265E-22
1571.240	2.095E-21	8.708E-22
1571.720	2.527E-21	8.477E-22
1572.210	2.436E-21	9.906E-22
1572.690	2.125E-21	1.047E-21
1573.170	2.351E-21	8.246E-22
1573.650	3.068E-21	7.563E-22
1574.140	3.198E-21	9.343E-22
1574.620	3.387E-21	9.865E-22
1575.100	3.692E-21	1.055E-21
1575.580	1.012E-21	1.591E-21
1576.070	0.000E+00	2.071E-21
1576.550	0.000E+00	1.398E-21
1577.030	2.470E-21	1.070E-21
1577.510	2.653E-21	1.292E-21
1577.990	3.076E-21	1.304E-21
1578.470	3.533E-21	1.170E-21
1578.960	3.626E-21	1.232E-21
1579.440	3.520E-21	1.200E-21
1579.920	4.007E-21	1.133E-21
1580.400	4.514E-21	1.207E-21
1580.890	3.762E-21	1.561E-21
1581.370	3.055E-21	1.817E-21
1581.850	2.984E-21	1.868E-21
1582.330	3.132E-21	1.942E-21
1582.810	3.024E-21	1.987E-21
1583.300	2.782E-21	1.988E-21
1583.780	2.984E-21	1.895E-21
1584.260	3.224E-21	1.904E-21
1584.740	3.289E-21	2.064E-21
1585.220	3.184E-21	2.036E-21
1585.710	3.165E-21	2.044E-21
1586.190	3.161E-21	2.128E-21

1586.670	3.014E-21	2.311E-21
1587.150	3.153E-21	2.338E-21
1587.630	2.973E-21	2.564E-21
1588.120	2.690E-21	2.768E-21
1588.600	2.924E-21	2.813E-21
1589.080	3.378E-21	2.905E-21
1589.560	3.487E-21	2.944E-21
1590.050	3.252E-21	2.803E-21
1590.530	3.100E-21	2.860E-21
1591.010	2.618E-21	3.158E-21
1591.490	2.176E-21	3.469E-21
1591.970	2.192E-21	3.535E-21
1592.460	2.168E-21	3.432E-21
1592.940	2.018E-21	3.373E-21
1593.420	2.085E-21	3.785E-21
1593.900	2.187E-21	4.247E-21
1594.380	2.398E-21	4.354E-21
1594.870	2.909E-21	4.506E-21
1595.350	2.923E-21	4.868E-21
1595.830	2.474E-21	5.209E-21
1596.310	2.334E-21	5.278E-21
1596.800	2.297E-21	5.416E-21
1597.280	2.428E-21	5.822E-21
1597.760	3.059E-21	6.070E-21
1598.240	3.273E-21	6.617E-21
1598.720	2.779E-21	7.256E-21
1599.210	2.575E-21	7.327E-21
1599.690	2.671E-21	7.374E-21
1600.170	1.363E-21	7.645E-21
1600.650	1.979E-21	8.110E-21
1601.130	2.832E-21	8.628E-21
1601.620	3.172E-21	9.134E-21
1602.100	3.393E-21	9.505E-21
1602.580	3.620E-21	9.801E-21
1603.060	4.148E-21	9.992E-21
1603.550	4.847E-21	1.029E-20
1604.030	5.160E-21	1.075E-20
1604.510	5.780E-21	1.116E-20
1604.990	6.221E-21	1.145E-20
1605.470	6.500E-21	1.165E-20
1605.960	7.382E-21	1.221E-20
1606.440	8.165E-21	1.282E-20
1606.920	8.457E-21	1.320E-20
1607.400	9.133E-21	1.356E-20
1607.880	9.718E-21	1.394E-20
1608.370	9.980E-21	1.444E-20
1608.850	1.013E-20	1.486E-20
1609.330	1.081E-20	1.538E-20

1609.810	1.190E-20	1.584E-20
1610.300	1.310E-20	1.658E-20
1610.780	1.411E-20	1.741E-20
1611.260	1.484E-20	1.806E-20
1611.740	1.508E-20	1.862E-20
1612.220	1.590E-20	1.960E-20
1612.710	1.739E-20	2.055E-20
1613.190	1.853E-20	2.163E-20
1613.670	1.937E-20	2.307E-20
1614.150	2.053E-20	2.465E-20
1614.630	2.154E-20	2.641E-20
1615.120	2.246E-20	2.804E-20
1615.600	2.236E-20	2.973E-20
1616.080	2.012E-20	3.222E-20
1616.560	1.693E-20	3.530E-20
1617.050	2.022E-20	3.812E-20
1617.530	2.367E-20	4.131E-20
1618.010	2.526E-20	4.511E-20
1618.490	2.703E-20	4.966E-20
1618.970	2.760E-20	5.509E-20
1619.460	2.809E-20	6.061E-20
1619.940	2.863E-20	6.642E-20
1620.420	2.892E-20	7.281E-20
1620.900	2.963E-20	7.980E-20
1621.380	3.114E-20	8.766E-20
1621.870	3.243E-20	9.596E-20
1622.350	3.397E-20	1.043E-19
1622.830	3.550E-20	1.130E-19
1623.310	3.579E-20	1.223E-19
1623.800	4.011E-20	1.315E-19
1624.280	4.662E-20	1.401E-19
1624.760	5.127E-20	1.481E-19
1625.240	5.576E-20	1.553E-19
1625.720	6.041E-20	1.618E-19
1626.200	6.603E-20	1.671E-19
1626.690	7.249E-20	1.711E-19
1627.170	7.893E-20	1.736E-19
1627.650	8.476E-20	1.749E-19
1628.130	9.317E-20	1.745E-19
1628.620	1.025E-19	1.737E-19
1629.100	1.113E-19	1.729E-19
1629.580	1.206E-19	1.730E-19
1630.060	1.312E-19	1.755E-19
1630.550	1.417E-19	1.811E-19
1631.030	1.528E-19	1.858E-19
1631.510	1.644E-19	1.886E-19
1631.990	1.762E-19	1.979E-19
1632.470	1.882E-19	2.155E-19

1632.950	2.013E-19	2.258E-19
1633.440	2.157E-19	2.122E-19
1633.920	2.321E-19	1.954E-19
1634.400	2.508E-19	1.934E-19
1634.880	2.712E-19	2.018E-19
1635.370	2.902E-19	2.141E-19
1635.850	3.107E-19	2.274E-19
1636.330	3.328E-19	2.396E-19
1636.810	3.567E-19	2.501E-19
1637.290	3.853E-19	2.595E-19
1637.780	4.183E-19	2.669E-19
1638.260	4.530E-19	2.717E-19
1638.740	4.868E-19	2.752E-19
1639.220	5.210E-19	2.780E-19
1639.700	5.550E-19	2.804E-19
1640.190	5.879E-19	2.832E-19
1640.670	6.186E-19	2.875E-19
1641.150	6.469E-19	2.934E-19
1641.630	6.726E-19	3.005E-19
1642.120	6.935E-19	3.100E-19
1642.600	7.089E-19	3.220E-19
1643.080	7.189E-19	3.344E-19
1643.560	7.237E-19	3.474E-19
1644.040	7.247E-19	3.615E-19
1644.530	7.233E-19	3.748E-19
1645.010	7.201E-19	3.868E-19
1645.490	7.129E-19	3.982E-19
1645.970	7.087E-19	4.072E-19
1646.450	7.158E-19	4.128E-19
1646.940	7.230E-19	4.159E-19
1647.420	7.265E-19	4.171E-19
1647.900	7.308E-19	4.175E-19
1648.380	7.285E-19	4.177E-19
1648.870	7.158E-19	4.181E-19
1649.350	6.933E-19	4.198E-19
1649.830	6.866E-19	4.239E-19
1650.310	7.013E-19	4.298E-19
1650.790	7.253E-19	4.361E-19
1651.280	7.420E-19	4.374E-19
1651.760	7.429E-19	4.399E-19
1652.240	7.266E-19	4.276E-19
1652.720	6.997E-19	4.120E-19
1653.200	6.575E-19	4.040E-19
1653.690	6.061E-19	3.997E-19
1654.170	5.459E-19	3.983E-19
1654.650	4.829E-19	3.961E-19
1655.130	4.321E-19	3.958E-19
1655.620	3.895E-19	3.982E-19

1656.100	3.387E-19	4.008E-19
1656.580	2.858E-19	4.015E-19
1657.060	2.490E-19	3.995E-19
1657.540	2.279E-19	3.939E-19
1658.030	2.189E-19	3.839E-19
1658.510	2.122E-19	3.692E-19
1658.990	2.058E-19	3.502E-19
1659.470	1.986E-19	3.277E-19
1659.950	1.893E-19	3.029E-19
1660.440	1.770E-19	2.770E-19
1660.920	1.622E-19	2.501E-19
1661.400	1.454E-19	2.229E-19
1661.880	1.278E-19	1.966E-19
1662.370	1.083E-19	1.723E-19
1662.850	9.119E-20	1.498E-19
1663.330	7.839E-20	1.288E-19
1663.810	6.616E-20	1.111E-19
1664.290	5.452E-20	9.574E-20
1664.780	4.509E-20	8.254E-20
1665.260	3.750E-20	7.196E-20
1665.740	3.200E-20	6.260E-20
1666.220	2.758E-20	5.478E-20
1666.700	2.376E-20	4.840E-20
1667.190	2.054E-20	4.282E-20
1667.670	1.810E-20	3.822E-20
1668.150	1.617E-20	3.433E-20
1668.630	1.401E-20	3.119E-20
1669.120	9.796E-21	2.861E-20
1669.600	1.027E-20	2.594E-20
1670.080	1.280E-20	2.327E-20
1670.560	1.297E-20	2.131E-20
1671.040	1.159E-20	1.973E-20
1671.530	1.078E-20	1.841E-20
1672.010	1.202E-20	1.672E-20
1672.490	1.278E-20	1.519E-20
1672.970	1.323E-20	1.405E-20
1673.450	1.419E-20	1.297E-20
1673.940	1.494E-20	1.199E-20
1674.420	1.468E-20	1.146E-20
1674.900	1.199E-20	1.104E-20
1675.380	1.167E-20	1.045E-20
1675.860	1.629E-20	9.505E-21
1676.350	1.963E-20	8.800E-21
1676.830	2.075E-20	8.167E-21
1677.310	2.208E-20	7.800E-21
1677.790	2.403E-20	7.423E-21
1678.280	2.640E-20	7.142E-21
1678.760	2.868E-20	6.889E-21

1679.240	3.050E-20	6.741E-21
1679.720	3.211E-20	6.350E-21
1680.200	3.440E-20	5.967E-21
1680.690	3.757E-20	5.578E-21
1681.170	4.127E-20	5.459E-21
1681.650	4.407E-20	5.433E-21
1682.130	4.633E-20	5.432E-21
1682.610	4.724E-20	5.249E-21
1683.100	4.782E-20	4.973E-21
1683.580	5.040E-20	4.708E-21
1684.060	5.193E-20	4.697E-21
1684.540	5.025E-20	5.086E-21
1685.030	5.353E-20	4.689E-21
1685.510	6.092E-20	3.651E-21
1685.990	6.460E-20	3.417E-21
1686.470	6.679E-20	3.312E-21
1686.950	6.821E-20	3.288E-21
1687.430	6.939E-20	3.029E-21
1687.920	7.018E-20	2.892E-21
1688.400	7.167E-20	3.176E-21
1688.880	7.356E-20	3.133E-21
1689.360	7.426E-20	3.028E-21
1689.850	7.339E-20	3.097E-21
1690.330	7.271E-20	3.011E-21
1690.810	7.198E-20	2.921E-21
1691.290	7.207E-20	2.744E-21
1691.770	7.162E-20	2.482E-21
1692.260	7.172E-20	2.394E-21
1692.740	7.217E-20	2.560E-21
1693.220	7.225E-20	2.429E-21
1693.700	7.186E-20	2.286E-21
1694.180	7.013E-20	2.123E-21
1694.670	6.597E-20	2.268E-21
1695.150	5.936E-20	2.677E-21
1695.630	4.928E-20	3.421E-21
1696.110	4.761E-20	3.046E-21
1696.600	5.171E-20	2.191E-21
1697.080	5.192E-20	2.045E-21
1697.560	5.108E-20	2.202E-21
1698.040	4.991E-20	2.090E-21
1698.520	4.713E-20	2.143E-21
1699.010	4.276E-20	2.230E-21
1699.490	3.398E-20	2.290E-21
1699.970	2.435E-20	2.417E-21
1700.450	1.862E-20	2.665E-21
1700.930	1.575E-20	2.449E-21
1701.420	1.468E-20	1.900E-21
1701.900	1.213E-20	1.612E-21

1702.380	9.879E-21	1.612E-21
1702.860	8.431E-21	1.660E-21
1703.350	8.093E-21	1.696E-21
1703.830	6.472E-21	1.673E-21
1704.310	4.899E-21	1.663E-21
1704.790	6.037E-21	1.608E-21
1705.270	7.461E-21	1.671E-21
1705.760	6.707E-21	1.505E-21
1706.240	5.525E-21	1.567E-21
1706.720	6.578E-21	1.526E-21
1707.200	8.034E-21	1.255E-21
1707.680	8.577E-21	1.069E-21
1708.170	8.422E-21	1.338E-21
1708.650	8.308E-21	1.441E-21
1709.130	8.824E-21	1.297E-21
1709.610	8.969E-21	1.220E-21
1710.100	9.030E-21	1.437E-21
1710.580	9.685E-21	1.619E-21
1711.060	1.028E-20	1.708E-21
1711.540	1.036E-20	1.813E-21
1712.020	1.067E-20	1.800E-21
1712.510	1.087E-20	1.901E-21
1712.990	1.127E-20	2.019E-21
1713.470	1.103E-20	1.978E-21
1713.950	1.036E-20	2.005E-21
1714.430	1.035E-20	2.169E-21
1714.920	9.268E-21	2.341E-21
1715.400	9.782E-21	2.427E-21
1715.880	1.136E-20	2.316E-21
1716.360	1.185E-20	2.031E-21
1716.850	9.456E-21	2.289E-21
1717.330	5.338E-21	2.753E-21
1717.810	8.365E-21	2.515E-21
1718.290	9.646E-21	2.339E-21
1718.770	9.609E-21	2.397E-21
1719.260	1.159E-20	2.221E-21
1719.740	1.237E-20	2.381E-21
1720.220	1.249E-20	2.343E-21
1720.700	1.318E-20	2.254E-21
1721.180	1.300E-20	2.368E-21
1721.670	1.300E-20	2.648E-21
1722.150	1.326E-20	2.745E-21
1722.630	1.333E-20	2.835E-21
1723.110	1.294E-20	2.879E-21
1723.600	1.291E-20	2.823E-21
1724.080	1.331E-20	2.761E-21
1724.560	1.338E-20	2.966E-21
1725.040	1.321E-20	3.288E-21

1725.520	1.312E-20	3.574E-21
1726.010	1.277E-20	3.619E-21
1726.490	1.271E-20	3.622E-21
1726.970	1.282E-20	3.790E-21
1727.450	1.269E-20	3.935E-21
1727.930	1.260E-20	4.172E-21
1728.420	1.259E-20	4.506E-21
1728.900	1.275E-20	4.806E-21
1729.380	1.278E-20	5.124E-21
1729.860	1.208E-20	5.473E-21
1730.340	1.230E-20	5.696E-21
1730.830	1.310E-20	6.112E-21
1731.310	1.296E-20	6.903E-21
1731.790	1.285E-20	7.512E-21
1732.270	1.327E-20	8.126E-21
1732.760	1.235E-20	8.828E-21
1733.240	8.959E-21	9.896E-21
1733.720	9.848E-21	1.074E-20
1734.200	7.931E-21	1.191E-20
1734.680	7.341E-21	1.313E-20
1735.170	1.231E-20	1.385E-20
1735.650	1.370E-20	1.480E-20
1736.130	1.423E-20	1.583E-20
1736.610	1.458E-20	1.703E-20
1737.090	1.538E-20	1.814E-20
1737.580	1.567E-20	1.916E-20
1738.060	1.651E-20	2.010E-20
1738.540	1.749E-20	2.086E-20
1739.020	1.786E-20	2.118E-20
1739.510	1.591E-20	2.155E-20
1739.990	1.674E-20	2.154E-20
1740.470	1.977E-20	2.122E-20
1740.950	2.128E-20	2.101E-20
1741.430	2.155E-20	2.061E-20
1741.910	2.106E-20	2.007E-20
1742.400	2.055E-20	1.994E-20
1742.880	2.201E-20	2.017E-20
1743.360	2.380E-20	2.054E-20
1743.840	2.429E-20	2.093E-20
1744.330	2.426E-20	2.106E-20
1744.810	2.478E-20	2.131E-20
1745.290	2.501E-20	2.131E-20
1745.770	2.458E-20	2.051E-20
1746.250	2.492E-20	1.899E-20
1746.740	2.578E-20	1.795E-20
1747.220	2.662E-20	1.795E-20
1747.700	2.742E-20	1.873E-20
1748.180	2.601E-20	1.983E-20

1748.660	2.465E-20	2.078E-20
1749.150	2.627E-20	2.147E-20
1749.630	2.798E-20	2.183E-20
1750.110	2.852E-20	2.207E-20
1750.590	2.826E-20	2.189E-20
1751.080	2.613E-20	2.132E-20
1751.560	2.630E-20	2.019E-20
1752.040	2.882E-20	1.852E-20
1752.520	2.889E-20	1.708E-20
1753.000	2.815E-20	1.552E-20
1753.490	2.812E-20	1.389E-20
1753.970	2.776E-20	1.225E-20
1754.450	2.641E-20	1.071E-20
1754.930	2.549E-20	9.459E-21
1755.410	2.502E-20	8.666E-21
1755.900	2.418E-20	7.826E-21
1756.380	2.271E-20	7.033E-21
1756.860	2.126E-20	6.149E-21
1757.340	2.154E-20	5.424E-21
1757.830	2.165E-20	4.958E-21
1758.310	2.142E-20	4.686E-21
1758.790	2.108E-20	4.285E-21
1759.270	2.033E-20	3.892E-21
1759.750	1.936E-20	3.659E-21
1760.240	1.827E-20	3.357E-21
1760.720	1.710E-20	3.218E-21
1761.200	1.532E-20	3.264E-21
1761.680	1.256E-20	3.333E-21
1762.160	1.258E-20	3.114E-21
1762.650	1.338E-20	2.897E-21
1763.130	1.286E-20	2.691E-21
1763.610	1.208E-20	2.504E-21
1764.090	1.162E-20	2.576E-21
1764.580	1.081E-20	2.454E-21
1765.060	1.021E-20	2.314E-21
1765.540	9.994E-21	2.385E-21
1766.020	9.740E-21	2.488E-21
1766.500	9.250E-21	2.480E-21
1766.990	8.839E-21	2.462E-21
1767.470	7.620E-21	2.287E-21
1767.950	5.426E-21	2.309E-21
1768.430	5.921E-21	2.270E-21
1768.910	7.355E-21	2.077E-21
1769.400	7.632E-21	2.038E-21
1769.880	7.315E-21	2.034E-21
1770.360	6.456E-21	2.155E-21
1770.840	4.769E-21	2.134E-21
1771.330	3.366E-21	2.025E-21

1771.810	4.009E-21	1.866E-21
1772.290	1.027E-21	1.992E-21
1772.770	0.000E+00	2.006E-21
1773.250	2.305E-21	1.719E-21
1773.730	3.667E-21	1.525E-21
1774.220	3.529E-21	1.297E-21
1774.700	3.358E-21	1.092E-21
1775.180	2.981E-21	1.255E-21
1775.660	2.503E-21	1.423E-21
1776.150	2.714E-21	1.346E-21
1776.630	3.129E-21	1.270E-21
1777.110	2.832E-21	1.083E-21
1777.590	2.225E-21	9.956E-22
1778.080	2.115E-21	1.093E-21
1778.560	1.894E-21	1.127E-21
1779.040	1.588E-21	9.697E-22
1779.520	1.626E-21	9.437E-22
1780.000	1.443E-21	9.978E-22
1780.480	8.865E-22	1.149E-21
1780.970	9.363E-22	1.201E-21
1781.450	1.049E-21	9.236E-22
1781.930	1.201E-21	8.411E-22
1782.410	9.961E-22	8.591E-22
1782.900	7.883E-22	7.026E-22
1783.380	1.262E-21	7.182E-22
1783.860	1.120E-21	8.813E-22
1784.340	4.754E-22	1.039E-21
1784.820	0.000E+00	8.341E-22
1785.310	0.000E+00	5.512E-22
1785.790	5.844E-22	6.819E-22
1786.270	3.219E-22	8.736E-22
1786.750	6.925E-22	7.330E-22
1787.230	8.125E-22	5.948E-22
1787.720	5.988E-22	6.289E-22
1788.200	6.925E-22	6.243E-22
1788.680	5.538E-22	7.363E-22
1789.160	0.000E+00	7.490E-22
1789.650	0.000E+00	7.295E-22
1790.130	0.000E+00	7.289E-22
1790.610	0.000E+00	6.301E-22
1791.090	5.661E-22	5.598E-22
1791.570	1.881E-21	4.659E-22
1792.060	6.061E-22	6.512E-22
1792.540	0.000E+00	9.679E-22
1793.020	0.000E+00	7.696E-22
1793.500	1.782E-21	4.693E-22
1793.980	1.797E-21	4.638E-22
1794.470	1.746E-21	4.422E-22

1794.950	1.577E-21	3.834E-22
1795.430	1.340E-21	3.228E-22
1795.910	1.322E-21	1.601E-22
1796.390	2.092E-21	2.101E-22
1796.880	2.795E-21	3.187E-22
1797.360	2.900E-21	2.763E-22
1797.840	2.565E-21	2.173E-22
1798.320	2.617E-21	1.886E-22
1798.810	2.799E-21	3.180E-22
1799.290	2.174E-21	3.142E-22
1799.770	2.236E-21	5.069E-22
1800.250	3.205E-21	5.111E-22