

# Table S1

## Infrared absorption cross section data (base e) for CFH<sub>2</sub>CH<sub>2</sub>OH

Supplement to the paper

### Rate Coefficients for the OH + CFH<sub>2</sub>CH<sub>2</sub>OH Reaction between 250 and 355 K

**B. Rajakumar<sup>1,2</sup>, James B. Burkholder<sup>1</sup>, R. W. Portmann<sup>1</sup>, A. R. Ravishankara<sup>1,\*</sup>**

<sup>1</sup> Aeronomy Laboratory, National Oceanic and Atmospheric Administration  
325, Broadway, Boulder, Colorado, 80305-3328

<sup>2</sup> Cooperative Institute for Research in Environmental Sciences  
University of Colorado, Boulder, Colorado 80309

|            |               |        |          |        |          |        |          |
|------------|---------------|--------|----------|--------|----------|--------|----------|
|            |               | 571.80 | 0        | 595.42 | 4.45e-21 | 619.05 | 2.83e-21 |
| Wavenumber |               | 572.28 | 0        | 595.91 | 3.34e-21 | 619.53 | 4.14e-21 |
|            | Cross Section | 572.76 | 7.42e-21 | 596.39 | 6.1e-21  | 620.01 | 5.55e-21 |
| (cm-1)     | (cm2)         | 573.25 | 7.1e-21  | 596.87 | 7.97e-21 | 620.49 | 4.44e-21 |
| 550.10     | 5.14e-21      | 573.73 | 7.06e-21 | 597.35 | 7.75e-21 | 620.98 | 5.08e-21 |
| 550.59     | 1.57e-20      | 574.21 | 1.04e-20 | 597.83 | 6.44e-21 | 621.46 | 6.74e-21 |
| 551.07     | 7.34e-21      | 574.69 | 7.14e-21 | 598.32 | 5.47e-21 | 621.94 | 6.87e-21 |
| 551.55     | 0             | 575.17 | 4.22e-22 | 598.80 | 7.93e-21 | 622.42 | 6.12e-21 |
| 552.03     | 0             | 575.66 | 1.64e-21 | 599.28 | 1.02e-20 | 622.90 | 4.42e-21 |
| 552.51     | 0             | 576.14 | 2.08e-22 | 599.76 | 7.75e-21 | 623.39 | 3.3e-21  |
| 553.00     | 4.14e-22      | 576.62 | 0        | 600.24 | 4.97e-21 | 623.87 | 2.34e-21 |
| 553.48     | 1.06e-20      | 577.10 | 8.32e-21 | 600.73 | 2.73e-21 | 624.35 | 1.96e-21 |
| 553.96     | 6.25e-21      | 577.59 | 1.23e-20 | 601.21 | 2.01e-21 | 624.83 | 2.98e-21 |
| 554.44     | 0             | 578.07 | 5.92e-21 | 601.69 | 0        | 625.32 | 4.61e-21 |
| 554.93     | 0             | 578.55 | 7.51e-21 | 602.17 | 0        | 625.80 | 4.17e-21 |
| 555.41     | 8.03e-21      | 579.03 | 1.32e-20 | 602.66 | 9.13e-22 | 626.28 | 3.48e-21 |
| 555.89     | 1.84e-20      | 579.51 | 7.69e-21 | 603.14 | 4.61e-21 | 626.76 | 4.94e-21 |
| 556.37     | 9.99e-21      | 580.00 | 3.19e-21 | 603.62 | 8.38e-21 | 627.24 | 3.93e-21 |
| 556.85     | 5.46e-21      | 580.48 | 3.41e-21 | 604.10 | 7.79e-21 | 627.73 | 2.23e-21 |
| 557.34     | 1.4e-20       | 580.96 | 2.16e-21 | 604.58 | 7.47e-21 | 628.21 | 0        |
| 557.82     | 2.26e-20      | 581.44 | 4.83e-21 | 605.07 | 7.8e-21  | 628.69 | 3.37e-23 |
| 558.30     | 2.06e-20      | 581.92 | 5.78e-21 | 605.55 | 5.66e-21 | 629.17 | 4.4e-21  |
| 558.78     | 1.57e-20      | 582.41 | 5.96e-21 | 606.03 | 2.89e-21 | 629.65 | 4.3e-21  |
| 559.26     | 1.36e-20      | 582.89 | 8.63e-21 | 606.51 | 3.16e-21 | 630.14 | 3.37e-21 |
| 559.75     | 2.91e-21      | 583.37 | 1.21e-20 | 606.99 | 5.11e-21 | 630.62 | 3.39e-21 |
| 560.23     | 9.95e-22      | 583.85 | 8.84e-21 | 607.48 | 5.43e-21 | 631.10 | 2.05e-21 |
| 560.71     | 0             | 584.33 | 7.83e-21 | 607.96 | 2.66e-21 | 631.58 | 1.53e-21 |
| 561.19     | 0             | 584.82 | 6.29e-21 | 608.44 | 2.68e-22 | 632.07 | 3.04e-21 |
| 561.67     | 8.95e-21      | 585.30 | 9.15e-21 | 608.92 | 1.68e-21 | 632.55 | 1.97e-21 |
| 562.16     | 1.85e-20      | 585.78 | 8.55e-21 | 609.41 | 4.07e-21 | 633.03 | 2.11e-21 |
| 562.64     | 2.16e-20      | 586.26 | 7.75e-21 | 609.89 | 5.61e-21 | 633.51 | 4.14e-21 |
| 563.12     | 1.74e-20      | 586.75 | 6.47e-21 | 610.37 | 4.03e-21 | 633.99 | 1.52e-21 |
| 563.60     | 2.42e-21      | 587.23 | 2.81e-21 | 610.85 | 4.41e-21 | 634.48 | 0        |
| 564.09     | 0             | 587.71 | 4.75e-21 | 611.33 | 4.14e-21 | 634.96 | 0        |
| 564.57     | 0             | 588.19 | 8.03e-21 | 611.82 | 3.06e-21 | 635.44 | 3.7e-22  |
| 565.05     | 5.16e-21      | 588.67 | 6.83e-21 | 612.30 | 3.7e-21  | 635.92 | 9.07e-22 |
| 565.53     | 0             | 589.16 | 3.26e-21 | 612.78 | 4.7e-21  | 636.40 | 3.86e-21 |
| 566.01     | 0             | 589.64 | 0        | 613.26 | 3.99e-21 | 636.89 | 4.68e-21 |
| 566.50     | 0             | 590.12 | 0        | 613.74 | 3.83e-21 | 637.37 | 4.1e-21  |
| 566.98     | 4.2e-21       | 590.60 | 0        | 614.23 | 5.68e-21 | 637.85 | 5.37e-21 |
| 567.46     | 4.92e-21      | 591.08 | 4.28e-22 | 614.71 | 5.85e-21 | 638.33 | 4.5e-21  |
| 567.94     | 2.68e-21      | 591.57 | 6.39e-21 | 615.19 | 2.24e-21 | 638.81 | 2.3e-21  |
| 568.42     | 4.11e-21      | 592.05 | 6.79e-21 | 615.67 | 1.86e-22 | 639.30 | 3.77e-21 |
| 568.91     | 1.45e-21      | 592.53 | 2.58e-21 | 616.15 | 2.93e-21 | 639.78 | 4.56e-21 |
| 569.39     | 8.84e-22      | 593.01 | 1.78e-21 | 616.64 | 6.45e-21 | 640.26 | 4.81e-21 |
| 569.87     | 1.35e-20      | 593.50 | 1.88e-21 | 617.12 | 5.27e-21 | 640.74 | 2.8e-21  |
| 570.35     | 1.52e-20      | 593.98 | 2.16e-21 | 617.60 | 3.66e-21 | 641.23 | 1.59e-21 |
| 570.84     | 1.23e-20      | 594.46 | 3.67e-21 | 618.08 | 4.44e-21 | 641.71 | 1.83e-21 |
| 571.32     | 6.46e-21      | 594.94 | 5.6e-21  | 618.57 | 3.95e-21 | 642.19 | 1.93e-21 |

|        |          |        |          |        |          |        |          |
|--------|----------|--------|----------|--------|----------|--------|----------|
| 642.67 | 5.05e-21 | 666.30 | 4.1e-21  | 689.92 | 1.31e-21 | 713.54 | 8.61e-22 |
| 643.15 | 7.27e-21 | 666.78 | 4.38e-21 | 690.40 | 2.36e-21 | 714.03 | 0        |
| 643.64 | 6.08e-21 | 667.26 | 4.83e-21 | 690.88 | 2.03e-21 | 714.51 | 0        |
| 644.12 | 3.52e-21 | 667.74 | 5.08e-21 | 691.37 | 8.37e-22 | 714.99 | 0        |
| 644.60 | 3.44e-21 | 668.22 | 3.67e-21 | 691.85 | 0        | 715.47 | 1.55e-21 |
| 645.08 | 5.18e-21 | 668.71 | 2.37e-21 | 692.33 | 0        | 715.95 | 1.2e-21  |
| 645.56 | 3.82e-21 | 669.19 | 4.01e-21 | 692.81 | 8.96e-22 | 716.44 | 1.29e-21 |
| 646.05 | 2.48e-21 | 669.67 | 2.92e-21 | 693.29 | 1.41e-21 | 716.92 | 3.83e-21 |
| 646.53 | 2.72e-21 | 670.15 | 1.81e-21 | 693.78 | 2.31e-21 | 717.40 | 3.9e-21  |
| 647.01 | 2.43e-21 | 670.63 | 4.57e-21 | 694.26 | 2.01e-21 | 717.88 | 2.08e-21 |
| 647.49 | 7.86e-22 | 671.12 | 5.68e-21 | 694.74 | 2.7e-21  | 718.37 | 4.07e-22 |
| 647.98 | 3.29e-21 | 671.60 | 2.82e-21 | 695.22 | 3.48e-21 | 718.85 | 4.15e-22 |
| 648.46 | 2.94e-21 | 672.08 | 1.86e-21 | 695.71 | 2.94e-21 | 719.33 | 1.77e-21 |
| 648.94 | 1.57e-21 | 672.56 | 3.76e-21 | 696.19 | 2.47e-21 | 719.81 | 1.09e-21 |
| 649.42 | 4.14e-21 | 673.05 | 3.68e-21 | 696.67 | 9.42e-22 | 720.29 | 4.79e-23 |
| 649.90 | 5.07e-21 | 673.53 | 1.96e-21 | 697.15 | 1.18e-21 | 720.78 | 3.26e-23 |
| 650.39 | 4.72e-21 | 674.01 | 3.66e-21 | 697.63 | 2.59e-21 | 721.26 | 0        |
| 650.87 | 3.9e-21  | 674.49 | 4.31e-21 | 698.12 | 9.53e-22 | 721.74 | 5.41e-22 |
| 651.35 | 1.49e-21 | 674.97 | 2.81e-21 | 698.60 | 0        | 722.22 | 4.96e-22 |
| 651.83 | 0        | 675.46 | 1.86e-21 | 699.08 | 0        | 722.70 | 0        |
| 652.31 | 0        | 675.94 | 1.44e-21 | 699.56 | 0        | 723.19 | 3.98e-22 |
| 652.80 | 9.48e-23 | 676.42 | 1.08e-21 | 700.04 | 0        | 723.67 | 2.69e-21 |
| 653.28 | 1.92e-21 | 676.90 | 1.65e-21 | 700.53 | 0        | 724.15 | 3.71e-21 |
| 653.76 | 4.05e-21 | 677.38 | 3.11e-21 | 701.01 | 9.7e-22  | 724.63 | 2.93e-21 |
| 654.24 | 4.66e-21 | 677.87 | 1.92e-21 | 701.49 | 2.26e-21 | 725.12 | 2.08e-21 |
| 654.72 | 2.21e-21 | 678.35 | 1.75e-22 | 701.97 | 2.64e-21 | 725.60 | 1.37e-21 |
| 655.21 | 0        | 678.83 | 3.99e-22 | 702.46 | 2.41e-21 | 726.08 | 0        |
| 655.69 | 7.39e-22 | 679.31 | 2.34e-21 | 702.94 | 1.26e-21 | 726.56 | 0        |
| 656.17 | 3.71e-21 | 679.80 | 8.97e-22 | 703.42 | 1.14e-21 | 727.04 | 0        |
| 656.65 | 6.37e-21 | 680.28 | 1.36e-21 | 703.90 | 1.09e-21 | 727.53 | 0        |
| 657.14 | 5.64e-21 | 680.76 | 2.8e-21  | 704.38 | 7.46e-22 | 728.01 | 1.62e-21 |
| 657.62 | 2.76e-21 | 681.24 | 1.95e-21 | 704.87 | 8.01e-22 | 728.49 | 2.19e-21 |
| 658.10 | 3.07e-21 | 681.72 | 1.29e-21 | 705.35 | 2.26e-21 | 728.97 | 1.72e-21 |
| 658.58 | 3.57e-21 | 682.21 | 9.57e-22 | 705.83 | 2.56e-21 | 729.45 | 2.17e-21 |
| 659.06 | 2.53e-21 | 682.69 | 1.64e-21 | 706.31 | 1.53e-21 | 729.94 | 1.46e-21 |
| 659.55 | 2.66e-21 | 683.17 | 2.37e-21 | 706.79 | 1.43e-21 | 730.42 | 7.03e-22 |
| 660.03 | 6.89e-22 | 683.65 | 2.16e-21 | 707.28 | 4.14e-22 | 730.90 | 1.39e-21 |
| 660.51 | 0        | 684.13 | 2.85e-21 | 707.76 | 8.73e-22 | 731.38 | 2.48e-21 |
| 660.99 | 5.5e-22  | 684.62 | 4.44e-21 | 708.24 | 1.36e-21 | 731.86 | 1.43e-21 |
| 661.47 | 2.18e-21 | 685.10 | 3.29e-21 | 708.72 | 8.91e-22 | 732.35 | 5.95e-22 |
| 661.96 | 3.9e-21  | 685.58 | 2.16e-21 | 709.20 | 0        | 732.83 | 2.2e-21  |
| 662.44 | 4.63e-21 | 686.06 | 3.52e-21 | 709.69 | 0        | 733.31 | 2.3e-21  |
| 662.92 | 3.08e-21 | 686.55 | 3.56e-21 | 710.17 | 0        | 733.79 | 8.97e-22 |
| 663.40 | 2.7e-21  | 687.03 | 2.96e-21 | 710.65 | 0        | 734.28 | 9.99e-23 |
| 663.89 | 2.56e-21 | 687.51 | 2.82e-21 | 711.13 | 5.18e-22 | 734.76 | 4.85e-22 |
| 664.37 | 1.54e-21 | 687.99 | 1.9e-21  | 711.62 | 4.19e-22 | 735.24 | 1.66e-21 |
| 664.85 | 3.66e-21 | 688.47 | 1.44e-21 | 712.10 | 0        | 735.72 | 1.53e-21 |
| 665.33 | 5.22e-21 | 688.96 | 2e-21    | 712.58 | 4.05e-23 | 736.20 | 9.25e-22 |
| 665.81 | 4.51e-21 | 689.44 | 1.32e-21 | 713.06 | 3.43e-22 | 736.69 | 5e-22    |

|        |          |        |          |        |          |        |          |
|--------|----------|--------|----------|--------|----------|--------|----------|
| 737.17 | 1.62e-22 | 760.79 | 1.04e-22 | 784.42 | 2.06e-21 | 808.04 | 3.56e-21 |
| 737.65 | 1.04e-21 | 761.27 | 1.55e-21 | 784.90 | 1.02e-21 | 808.52 | 4.14e-21 |
| 738.13 | 2.03e-21 | 761.76 | 2.88e-21 | 785.38 | 6.18e-22 | 809.00 | 4.93e-21 |
| 738.61 | 3.09e-21 | 762.24 | 2.44e-21 | 785.86 | 0        | 809.49 | 5.59e-21 |
| 739.10 | 2.08e-21 | 762.72 | 2.23e-21 | 786.34 | 8.71e-22 | 809.97 | 7.42e-21 |
| 739.58 | 0        | 763.20 | 2.15e-21 | 786.83 | 1.77e-21 | 810.45 | 7.83e-21 |
| 740.06 | 0        | 763.69 | 1.5e-21  | 787.31 | 1.36e-21 | 810.93 | 7.07e-21 |
| 740.54 | 1.22e-21 | 764.17 | 3.56e-22 | 787.79 | 2.51e-21 | 811.42 | 6.72e-21 |
| 741.03 | 2.05e-21 | 764.65 | 1.81e-22 | 788.27 | 3.05e-21 | 811.90 | 5.22e-21 |
| 741.51 | 1.58e-21 | 765.13 | 9.68e-22 | 788.76 | 2.78e-21 | 812.38 | 4.76e-21 |
| 741.99 | 8.4e-22  | 765.61 | 1.17e-21 | 789.24 | 3.97e-21 | 812.86 | 6.82e-21 |
| 742.47 | 9.81e-22 | 766.10 | 2.11e-21 | 789.72 | 4.17e-21 | 813.34 | 8.34e-21 |
| 742.95 | 2.65e-21 | 766.58 | 2.38e-21 | 790.20 | 3.91e-21 | 813.83 | 8.98e-21 |
| 743.44 | 1.72e-21 | 767.06 | 1.77e-21 | 790.68 | 2.9e-21  | 814.31 | 9.56e-21 |
| 743.92 | 1.2e-21  | 767.54 | 9.07e-22 | 791.17 | 2.01e-21 | 814.79 | 7.87e-21 |
| 744.40 | 2.46e-21 | 768.02 | 1.68e-21 | 791.65 | 1.88e-21 | 815.27 | 7.24e-21 |
| 744.88 | 2.1e-21  | 768.51 | 2.84e-21 | 792.13 | 2.26e-21 | 815.75 | 8.18e-21 |
| 745.36 | 2e-21    | 768.99 | 3.49e-21 | 792.61 | 2.37e-21 | 816.24 | 9.42e-21 |
| 745.85 | 2.04e-21 | 769.47 | 3.62e-21 | 793.09 | 1.46e-21 | 816.72 | 9.19e-21 |
| 746.33 | 1.97e-21 | 769.95 | 2.83e-21 | 793.58 | 1.2e-21  | 817.20 | 9.3e-21  |
| 746.81 | 2.76e-21 | 770.43 | 1.14e-21 | 794.06 | 1.92e-21 | 817.68 | 1.04e-20 |
| 747.29 | 3.53e-21 | 770.92 | 8.7e-22  | 794.54 | 1.98e-21 | 818.17 | 1.15e-20 |
| 747.77 | 1.95e-21 | 771.40 | 1.25e-21 | 795.02 | 2.3e-21  | 818.65 | 1.27e-20 |
| 748.26 | 1.93e-21 | 771.88 | 2.08e-21 | 795.51 | 3.08e-21 | 819.13 | 1.3e-20  |
| 748.74 | 2.8e-21  | 772.36 | 1.85e-21 | 795.99 | 2.55e-21 | 819.61 | 1.2e-20  |
| 749.22 | 1.72e-21 | 772.85 | 1.3e-21  | 796.47 | 2.52e-21 | 820.09 | 1.2e-20  |
| 749.70 | 8.55e-22 | 773.33 | 2.03e-21 | 796.95 | 4.08e-21 | 820.58 | 1.35e-20 |
| 750.19 | 1.65e-21 | 773.81 | 1.09e-21 | 797.43 | 5.33e-21 | 821.06 | 1.46e-20 |
| 750.67 | 2.71e-21 | 774.29 | 0        | 797.92 | 4.17e-21 | 821.54 | 1.63e-20 |
| 751.15 | 3.4e-21  | 774.77 | 1.15e-21 | 798.40 | 3.64e-21 | 822.02 | 1.73e-20 |
| 751.63 | 2.92e-21 | 775.26 | 1.45e-21 | 798.88 | 3.95e-21 | 822.50 | 1.75e-20 |
| 752.11 | 1.01e-21 | 775.74 | 1.16e-21 | 799.36 | 3.69e-21 | 822.99 | 1.79e-20 |
| 752.60 | 0        | 776.22 | 5.72e-22 | 799.84 | 3.76e-21 | 823.47 | 1.83e-20 |
| 753.08 | 0        | 776.70 | 0        | 800.33 | 3.82e-21 | 823.95 | 1.82e-20 |
| 753.56 | 1.28e-21 | 777.18 | 7.28e-22 | 800.81 | 3.19e-21 | 824.43 | 1.84e-20 |
| 754.04 | 1.41e-21 | 777.67 | 1.89e-21 | 801.29 | 2.87e-21 | 824.91 | 2.03e-20 |
| 754.52 | 2.19e-21 | 778.15 | 2.09e-21 | 801.77 | 4.13e-21 | 825.40 | 2.19e-20 |
| 755.01 | 2.01e-21 | 778.63 | 3.4e-21  | 802.25 | 4.67e-21 | 825.88 | 2.27e-20 |
| 755.49 | 3.18e-22 | 779.11 | 3.82e-21 | 802.74 | 4.29e-21 | 826.36 | 2.42e-20 |
| 755.97 | 8.42e-22 | 779.60 | 4.05e-21 | 803.22 | 4.77e-21 | 826.84 | 2.45e-20 |
| 756.45 | 7.24e-22 | 780.08 | 3.4e-21  | 803.70 | 4.22e-21 | 827.33 | 2.51e-20 |
| 756.94 | 6.53e-22 | 780.56 | 2.45e-21 | 804.18 | 3.06e-21 | 827.81 | 2.56e-20 |
| 757.42 | 9.21e-22 | 781.04 | 2.59e-21 | 804.67 | 3.41e-21 | 828.29 | 2.65e-20 |
| 757.90 | 1.73e-21 | 781.52 | 2.55e-21 | 805.15 | 5.43e-21 | 828.77 | 2.83e-20 |
| 758.38 | 1.24e-21 | 782.01 | 1.95e-21 | 805.63 | 5.75e-21 | 829.25 | 2.86e-20 |
| 758.86 | 1.94e-21 | 782.49 | 1.4e-21  | 806.11 | 3.78e-21 | 829.74 | 2.89e-20 |
| 759.35 | 4.37e-21 | 782.97 | 1.28e-21 | 806.59 | 4.3e-21  | 830.22 | 3.09e-20 |
| 759.83 | 2.89e-21 | 783.45 | 1.53e-21 | 807.08 | 4.34e-21 | 830.70 | 3.34e-20 |
| 760.31 | 7.3e-22  | 783.93 | 2.46e-21 | 807.56 | 3.31e-21 | 831.18 | 3.6e-20  |

|        |          |        |          |        |          |        |          |
|--------|----------|--------|----------|--------|----------|--------|----------|
| 831.66 | 3.77e-20 | 855.29 | 7.78e-20 | 878.91 | 1.1e-19  | 902.54 | 5.92e-20 |
| 832.15 | 3.85e-20 | 855.77 | 7.47e-20 | 879.39 | 1.09e-19 | 903.02 | 5.61e-20 |
| 832.63 | 3.81e-20 | 856.25 | 7.42e-20 | 879.88 | 1.07e-19 | 903.50 | 5.39e-20 |
| 833.11 | 3.88e-20 | 856.74 | 7.61e-20 | 880.36 | 1.05e-19 | 903.98 | 5.16e-20 |
| 833.59 | 4.22e-20 | 857.22 | 7.95e-20 | 880.84 | 1.02e-19 | 904.47 | 4.88e-20 |
| 834.08 | 4.47e-20 | 857.70 | 8.47e-20 | 881.32 | 9.91e-20 | 904.95 | 4.54e-20 |
| 834.56 | 4.68e-20 | 858.18 | 9.13e-20 | 881.81 | 9.55e-20 | 905.43 | 4.26e-20 |
| 835.04 | 4.7e-20  | 858.66 | 9.79e-20 | 882.29 | 9.34e-20 | 905.91 | 3.91e-20 |
| 835.52 | 4.61e-20 | 859.15 | 9.87e-20 | 882.77 | 8.92e-20 | 906.39 | 3.57e-20 |
| 836.00 | 4.83e-20 | 859.63 | 9.86e-20 | 883.25 | 8.3e-20  | 906.88 | 3.34e-20 |
| 836.49 | 5.12e-20 | 860.11 | 1.03e-19 | 883.73 | 7.64e-20 | 907.36 | 3.14e-20 |
| 836.97 | 5.34e-20 | 860.59 | 1.08e-19 | 884.22 | 7.24e-20 | 907.84 | 2.96e-20 |
| 837.45 | 5.63e-20 | 861.07 | 1.08e-19 | 884.70 | 7.07e-20 | 908.32 | 2.67e-20 |
| 837.93 | 5.8e-20  | 861.56 | 1.06e-19 | 885.18 | 7.07e-20 | 908.80 | 2.52e-20 |
| 838.41 | 5.98e-20 | 862.04 | 1.06e-19 | 885.66 | 7.26e-20 | 909.29 | 2.33e-20 |
| 838.90 | 6.24e-20 | 862.52 | 1.07e-19 | 886.14 | 7.9e-20  | 909.77 | 2.07e-20 |
| 839.38 | 6.4e-20  | 863.00 | 1.06e-19 | 886.63 | 9.15e-20 | 910.25 | 2.02e-20 |
| 839.86 | 6.54e-20 | 863.48 | 1.04e-19 | 887.11 | 1.04e-19 | 910.73 | 1.88e-20 |
| 840.34 | 6.72e-20 | 863.97 | 1.04e-19 | 887.59 | 1.24e-19 | 911.22 | 1.67e-20 |
| 840.82 | 6.78e-20 | 864.45 | 1.04e-19 | 888.07 | 1.64e-19 | 911.70 | 1.55e-20 |
| 841.31 | 7.03e-20 | 864.93 | 1.06e-19 | 888.56 | 1.55e-19 | 912.18 | 1.46e-20 |
| 841.79 | 7.26e-20 | 865.41 | 1.06e-19 | 889.04 | 1.13e-19 | 912.66 | 1.34e-20 |
| 842.27 | 7.22e-20 | 865.90 | 1.08e-19 | 889.52 | 8.46e-20 | 913.14 | 1.23e-20 |
| 842.75 | 7.33e-20 | 866.38 | 1.13e-19 | 890.00 | 7.01e-20 | 913.63 | 1.13e-20 |
| 843.24 | 7.65e-20 | 866.86 | 1.14e-19 | 890.48 | 6.44e-20 | 914.11 | 1.11e-20 |
| 843.72 | 7.93e-20 | 867.34 | 1.12e-19 | 890.97 | 6.36e-20 | 914.59 | 1.12e-20 |
| 844.20 | 8.03e-20 | 867.82 | 1.11e-19 | 891.45 | 6.36e-20 | 915.07 | 1.08e-20 |
| 844.68 | 8.07e-20 | 868.31 | 1.13e-19 | 891.93 | 6.27e-20 | 915.55 | 9.83e-21 |
| 845.16 | 8.19e-20 | 868.79 | 1.15e-19 | 892.41 | 6.24e-20 | 916.04 | 8.58e-21 |
| 845.65 | 8.34e-20 | 869.27 | 1.16e-19 | 892.89 | 6.31e-20 | 916.52 | 8.04e-21 |
| 846.13 | 8.35e-20 | 869.75 | 1.15e-19 | 893.38 | 6.57e-20 | 917.00 | 8.03e-21 |
| 846.61 | 8.33e-20 | 870.23 | 1.14e-19 | 893.86 | 6.66e-20 | 917.48 | 8.74e-21 |
| 847.09 | 8.47e-20 | 870.72 | 1.17e-19 | 894.34 | 6.83e-20 | 917.96 | 8.58e-21 |
| 847.57 | 8.4e-20  | 871.20 | 1.17e-19 | 894.82 | 7.1e-20  | 918.45 | 7.97e-21 |
| 848.06 | 8.11e-20 | 871.68 | 1.16e-19 | 895.30 | 7.22e-20 | 918.93 | 7.74e-21 |
| 848.54 | 8.07e-20 | 872.16 | 1.16e-19 | 895.79 | 7.23e-20 | 919.41 | 8.01e-21 |
| 849.02 | 8.02e-20 | 872.65 | 1.18e-19 | 896.27 | 7.44e-20 | 919.89 | 7.37e-21 |
| 849.50 | 7.98e-20 | 873.13 | 1.19e-19 | 896.75 | 7.63e-20 | 920.38 | 5.81e-21 |
| 849.99 | 7.91e-20 | 873.61 | 1.17e-19 | 897.23 | 7.8e-20  | 920.86 | 6.32e-21 |
| 850.47 | 7.56e-20 | 874.09 | 1.14e-19 | 897.72 | 7.77e-20 | 921.34 | 6.96e-21 |
| 850.95 | 7.27e-20 | 874.57 | 1.13e-19 | 898.20 | 7.75e-20 | 921.82 | 6.12e-21 |
| 851.43 | 7.21e-20 | 875.06 | 1.12e-19 | 898.68 | 7.71e-20 | 922.30 | 6.37e-21 |
| 851.91 | 7.18e-20 | 875.54 | 1.11e-19 | 899.16 | 7.56e-20 | 922.79 | 6.8e-21  |
| 852.40 | 7.26e-20 | 876.02 | 1.11e-19 | 899.64 | 7.36e-20 | 923.27 | 6.05e-21 |
| 852.88 | 7.47e-20 | 876.50 | 1.1e-19  | 900.13 | 7.15e-20 | 923.75 | 5.45e-21 |
| 853.36 | 7.64e-20 | 876.98 | 1.09e-19 | 900.61 | 6.87e-20 | 924.23 | 5.89e-21 |
| 853.84 | 7.77e-20 | 877.47 | 1.1e-19  | 901.09 | 6.63e-20 | 924.71 | 6.7e-21  |
| 854.32 | 7.93e-20 | 877.95 | 1.1e-19  | 901.57 | 6.47e-20 | 925.20 | 6.36e-21 |
| 854.81 | 7.96e-20 | 878.43 | 1.11e-19 | 902.05 | 6.27e-20 | 925.68 | 5.06e-21 |

|        |          |        |          |        |          |         |          |
|--------|----------|--------|----------|--------|----------|---------|----------|
| 926.16 | 4.38e-21 | 949.79 | 3.62e-21 | 973.41 | 2.98e-21 | 997.03  | 9.54e-21 |
| 926.64 | 5.19e-21 | 950.27 | 3.86e-21 | 973.89 | 2.85e-21 | 997.52  | 9.82e-21 |
| 927.13 | 5.22e-21 | 950.75 | 4.62e-21 | 974.37 | 2.7e-21  | 998.00  | 1e-20    |
| 927.61 | 4.14e-21 | 951.23 | 4.8e-21  | 974.86 | 2.73e-21 | 998.48  | 1.08e-20 |
| 928.09 | 4.64e-21 | 951.71 | 3.96e-21 | 975.34 | 2.26e-21 | 998.96  | 1.14e-20 |
| 928.57 | 5.42e-21 | 952.20 | 3.74e-21 | 975.82 | 1.87e-21 | 999.44  | 1.15e-20 |
| 929.05 | 4.75e-21 | 952.68 | 3.79e-21 | 976.30 | 2.58e-21 | 999.93  | 1.23e-20 |
| 929.54 | 4.38e-21 | 953.16 | 3.56e-21 | 976.78 | 3.84e-21 | 1000.41 | 1.3e-20  |
| 930.02 | 4.64e-21 | 953.64 | 3.91e-21 | 977.27 | 3.83e-21 | 1000.89 | 1.35e-20 |
| 930.50 | 4.83e-21 | 954.12 | 4.01e-21 | 977.75 | 2.69e-21 | 1001.37 | 1.35e-20 |
| 930.98 | 4.15e-21 | 954.61 | 3.86e-21 | 978.23 | 3.15e-21 | 1001.85 | 1.46e-20 |
| 931.46 | 3.56e-21 | 955.09 | 3.8e-21  | 978.71 | 4.25e-21 | 1002.34 | 1.49e-20 |
| 931.95 | 4.96e-21 | 955.57 | 3.77e-21 | 979.19 | 3.99e-21 | 1002.82 | 1.46e-20 |
| 932.43 | 6e-21    | 956.05 | 3e-21    | 979.68 | 4.35e-21 | 1003.30 | 1.49e-20 |
| 932.91 | 5.69e-21 | 956.53 | 2.55e-21 | 980.16 | 4.44e-21 | 1003.78 | 1.56e-20 |
| 933.39 | 4.97e-21 | 957.02 | 3.6e-21  | 980.64 | 4.04e-21 | 1004.27 | 1.7e-20  |
| 933.87 | 4.75e-21 | 957.50 | 4.08e-21 | 981.12 | 3.35e-21 | 1004.75 | 1.81e-20 |
| 934.36 | 4.88e-21 | 957.98 | 3.93e-21 | 981.61 | 2.94e-21 | 1005.23 | 1.93e-20 |
| 934.84 | 4.22e-21 | 958.46 | 3.6e-21  | 982.09 | 3.45e-21 | 1005.71 | 2.13e-20 |
| 935.32 | 4.36e-21 | 958.95 | 2.86e-21 | 982.57 | 3.94e-21 | 1006.19 | 2.25e-20 |
| 935.80 | 4.72e-21 | 959.43 | 2.75e-21 | 983.05 | 3.39e-21 | 1006.68 | 2.3e-20  |
| 936.29 | 4.26e-21 | 959.91 | 3.38e-21 | 983.53 | 3.6e-21  | 1007.16 | 2.3e-20  |
| 936.77 | 3.45e-21 | 960.39 | 3.26e-21 | 984.02 | 4.29e-21 | 1007.64 | 2.44e-20 |
| 937.25 | 3.69e-21 | 960.87 | 2.63e-21 | 984.50 | 4.38e-21 | 1008.12 | 2.73e-20 |
| 937.73 | 4.63e-21 | 961.36 | 3e-21    | 984.98 | 3.82e-21 | 1008.60 | 2.94e-20 |
| 938.21 | 4.19e-21 | 961.84 | 3.19e-21 | 985.46 | 3.15e-21 | 1009.09 | 3.06e-20 |
| 938.70 | 3.62e-21 | 962.32 | 3.05e-21 | 985.94 | 4.01e-21 | 1009.57 | 3.2e-20  |
| 939.18 | 3.62e-21 | 962.80 | 3.12e-21 | 986.43 | 4.86e-21 | 1010.05 | 3.4e-20  |
| 939.66 | 4.43e-21 | 963.28 | 2.97e-21 | 986.91 | 5e-21    | 1010.53 | 3.68e-20 |
| 940.14 | 4.42e-21 | 963.77 | 2.97e-21 | 987.39 | 4.48e-21 | 1011.02 | 3.85e-20 |
| 940.62 | 3.72e-21 | 964.25 | 3.24e-21 | 987.87 | 4.33e-21 | 1011.50 | 3.98e-20 |
| 941.11 | 4.13e-21 | 964.73 | 3.06e-21 | 988.35 | 5.05e-21 | 1011.98 | 4.26e-20 |
| 941.59 | 4.27e-21 | 965.21 | 2.81e-21 | 988.84 | 5.53e-21 | 1012.46 | 4.55e-20 |
| 942.07 | 3.61e-21 | 965.70 | 2.66e-21 | 989.32 | 5.39e-21 | 1012.94 | 4.79e-20 |
| 942.55 | 3.43e-21 | 966.18 | 2.41e-21 | 989.80 | 5.33e-21 | 1013.43 | 5.18e-20 |
| 943.04 | 4.18e-21 | 966.66 | 2.86e-21 | 990.28 | 5.91e-21 | 1013.91 | 5.56e-20 |
| 943.52 | 5.14e-21 | 967.14 | 2.89e-21 | 990.77 | 6.21e-21 | 1014.39 | 5.86e-20 |
| 944.00 | 5.58e-21 | 967.62 | 2.41e-21 | 991.25 | 6.87e-21 | 1014.87 | 6.17e-20 |
| 944.48 | 5.43e-21 | 968.11 | 2.79e-21 | 991.73 | 7.58e-21 | 1015.35 | 6.57e-20 |
| 944.96 | 5.34e-21 | 968.59 | 2.89e-21 | 992.21 | 6.9e-21  | 1015.84 | 7e-20    |
| 945.45 | 5.32e-21 | 969.07 | 2.47e-21 | 992.69 | 6e-21    | 1016.32 | 7.52e-20 |
| 945.93 | 5.07e-21 | 969.55 | 2.56e-21 | 993.18 | 6.16e-21 | 1016.80 | 8.02e-20 |
| 946.41 | 4.15e-21 | 970.03 | 2.88e-21 | 993.66 | 7.18e-21 | 1017.28 | 8.41e-20 |
| 946.89 | 4.18e-21 | 970.52 | 3.03e-21 | 994.14 | 7.87e-21 | 1017.77 | 8.88e-20 |
| 947.37 | 3.83e-21 | 971.00 | 3.53e-21 | 994.62 | 7.42e-21 | 1018.25 | 9.44e-20 |
| 947.86 | 3.17e-21 | 971.48 | 3.01e-21 | 995.10 | 7.07e-21 | 1018.73 | 9.89e-20 |
| 948.34 | 3.45e-21 | 971.96 | 3.08e-21 | 995.59 | 7.71e-21 | 1019.21 | 1.04e-19 |
| 948.82 | 3.53e-21 | 972.44 | 3.75e-21 | 996.07 | 8.93e-21 | 1019.69 | 1.12e-19 |
| 949.30 | 3.61e-21 | 972.93 | 3.14e-21 | 996.55 | 9.51e-21 | 1020.18 | 1.18e-19 |

|         |          |         |          |         |          |         |          |
|---------|----------|---------|----------|---------|----------|---------|----------|
| 1020.66 | 1.24e-19 | 1044.28 | 2.15e-19 | 1067.91 | 1.68e-19 | 1091.53 | 2.37e-19 |
| 1021.14 | 1.3e-19  | 1044.76 | 2.23e-19 | 1068.39 | 1.7e-19  | 1092.01 | 2.42e-19 |
| 1021.62 | 1.36e-19 | 1045.25 | 2.32e-19 | 1068.87 | 1.72e-19 | 1092.49 | 2.45e-19 |
| 1022.10 | 1.42e-19 | 1045.73 | 2.41e-19 | 1069.35 | 1.74e-19 | 1092.98 | 2.49e-19 |
| 1022.59 | 1.49e-19 | 1046.21 | 2.53e-19 | 1069.83 | 1.75e-19 | 1093.46 | 2.51e-19 |
| 1023.07 | 1.56e-19 | 1046.69 | 2.64e-19 | 1070.32 | 1.76e-19 | 1093.94 | 2.53e-19 |
| 1023.55 | 1.64e-19 | 1047.17 | 2.72e-19 | 1070.80 | 1.79e-19 | 1094.42 | 2.52e-19 |
| 1024.03 | 1.71e-19 | 1047.66 | 2.74e-19 | 1071.28 | 1.82e-19 | 1094.90 | 2.48e-19 |
| 1024.51 | 1.78e-19 | 1048.14 | 2.77e-19 | 1071.76 | 1.84e-19 | 1095.39 | 2.41e-19 |
| 1025.00 | 1.85e-19 | 1048.62 | 2.82e-19 | 1072.25 | 1.86e-19 | 1095.87 | 2.38e-19 |
| 1025.48 | 1.91e-19 | 1049.10 | 2.86e-19 | 1072.73 | 1.87e-19 | 1096.35 | 2.36e-19 |
| 1025.96 | 1.99e-19 | 1049.59 | 2.86e-19 | 1073.21 | 1.9e-19  | 1096.83 | 2.33e-19 |
| 1026.44 | 2.06e-19 | 1050.07 | 2.87e-19 | 1073.69 | 1.94e-19 | 1097.32 | 2.3e-19  |
| 1026.93 | 2.11e-19 | 1050.55 | 2.87e-19 | 1074.17 | 1.97e-19 | 1097.80 | 2.27e-19 |
| 1027.41 | 2.16e-19 | 1051.03 | 2.84e-19 | 1074.66 | 2e-19    | 1098.28 | 2.25e-19 |
| 1027.89 | 2.2e-19  | 1051.51 | 2.8e-19  | 1075.14 | 2.03e-19 | 1098.76 | 2.24e-19 |
| 1028.37 | 2.24e-19 | 1052.00 | 2.76e-19 | 1075.62 | 2.06e-19 | 1099.24 | 2.22e-19 |
| 1028.85 | 2.29e-19 | 1052.48 | 2.71e-19 | 1076.10 | 2.1e-19  | 1099.73 | 2.16e-19 |
| 1029.34 | 2.34e-19 | 1052.96 | 2.63e-19 | 1076.58 | 2.12e-19 | 1100.21 | 2.13e-19 |
| 1029.82 | 2.37e-19 | 1053.44 | 2.57e-19 | 1077.07 | 2.13e-19 | 1100.69 | 2.11e-19 |
| 1030.30 | 2.39e-19 | 1053.92 | 2.51e-19 | 1077.55 | 2.17e-19 | 1101.17 | 2.07e-19 |
| 1030.78 | 2.43e-19 | 1054.41 | 2.45e-19 | 1078.03 | 2.19e-19 | 1101.65 | 2.03e-19 |
| 1031.26 | 2.46e-19 | 1054.89 | 2.38e-19 | 1078.51 | 2.22e-19 | 1102.14 | 1.99e-19 |
| 1031.75 | 2.46e-19 | 1055.37 | 2.32e-19 | 1078.99 | 2.25e-19 | 1102.62 | 1.96e-19 |
| 1032.23 | 2.46e-19 | 1055.85 | 2.27e-19 | 1079.48 | 2.27e-19 | 1103.10 | 1.93e-19 |
| 1032.71 | 2.47e-19 | 1056.33 | 2.2e-19  | 1079.96 | 2.29e-19 | 1103.58 | 1.88e-19 |
| 1033.19 | 2.46e-19 | 1056.82 | 2.13e-19 | 1080.44 | 2.29e-19 | 1104.07 | 1.84e-19 |
| 1033.68 | 2.36e-19 | 1057.30 | 2.08e-19 | 1080.92 | 2.28e-19 | 1104.55 | 1.82e-19 |
| 1034.16 | 2.29e-19 | 1057.78 | 2.02e-19 | 1081.41 | 2.26e-19 | 1105.03 | 1.77e-19 |
| 1034.64 | 2.26e-19 | 1058.26 | 1.96e-19 | 1081.89 | 2.26e-19 | 1105.51 | 1.71e-19 |
| 1035.12 | 2.22e-19 | 1058.75 | 1.91e-19 | 1082.37 | 2.23e-19 | 1105.99 | 1.67e-19 |
| 1035.60 | 2.21e-19 | 1059.23 | 1.87e-19 | 1082.85 | 2.21e-19 | 1106.48 | 1.63e-19 |
| 1036.09 | 2.27e-19 | 1059.71 | 1.85e-19 | 1083.33 | 2.16e-19 | 1106.96 | 1.58e-19 |
| 1036.57 | 2.45e-19 | 1060.19 | 1.81e-19 | 1083.82 | 2.11e-19 | 1107.44 | 1.54e-19 |
| 1037.05 | 2.67e-19 | 1060.67 | 1.77e-19 | 1084.30 | 2.05e-19 | 1107.92 | 1.5e-19  |
| 1037.53 | 2.83e-19 | 1061.16 | 1.74e-19 | 1084.78 | 1.99e-19 | 1108.40 | 1.45e-19 |
| 1038.01 | 3.09e-19 | 1061.64 | 1.73e-19 | 1085.26 | 1.94e-19 | 1108.89 | 1.41e-19 |
| 1038.50 | 3.42e-19 | 1062.12 | 1.72e-19 | 1085.74 | 1.89e-19 | 1109.37 | 1.37e-19 |
| 1038.98 | 3.54e-19 | 1062.60 | 1.69e-19 | 1086.23 | 1.82e-19 | 1109.85 | 1.33e-19 |
| 1039.46 | 3.27e-19 | 1063.08 | 1.68e-19 | 1086.71 | 1.77e-19 | 1110.33 | 1.29e-19 |
| 1039.94 | 2.92e-19 | 1063.57 | 1.69e-19 | 1087.19 | 1.72e-19 | 1110.81 | 1.25e-19 |
| 1040.42 | 2.6e-19  | 1064.05 | 1.67e-19 | 1087.67 | 1.7e-19  | 1111.30 | 1.23e-19 |
| 1040.91 | 2.43e-19 | 1064.53 | 1.66e-19 | 1088.16 | 1.73e-19 | 1111.78 | 1.27e-19 |
| 1041.39 | 2.24e-19 | 1065.01 | 1.65e-19 | 1088.64 | 1.78e-19 | 1112.26 | 1.29e-19 |
| 1041.87 | 2.02e-19 | 1065.50 | 1.64e-19 | 1089.12 | 1.81e-19 | 1112.74 | 1.33e-19 |
| 1042.35 | 1.95e-19 | 1065.98 | 1.66e-19 | 1089.60 | 1.86e-19 | 1113.23 | 1.29e-19 |
| 1042.84 | 2e-19    | 1066.46 | 1.68e-19 | 1090.08 | 1.96e-19 | 1113.71 | 1.17e-19 |
| 1043.32 | 2.05e-19 | 1066.94 | 1.69e-19 | 1090.57 | 2.08e-19 | 1114.19 | 1.11e-19 |
| 1043.80 | 2.09e-19 | 1067.42 | 1.68e-19 | 1091.05 | 2.24e-19 | 1114.67 | 1.1e-19  |

|         |          |         |          |         |          |         |          |
|---------|----------|---------|----------|---------|----------|---------|----------|
| 1115.15 | 1.08e-19 | 1138.78 | 3.26e-20 | 1162.40 | 9.19e-21 | 1186.03 | 2.57e-20 |
| 1115.64 | 1.06e-19 | 1139.26 | 3.07e-20 | 1162.88 | 9.19e-21 | 1186.51 | 2.57e-20 |
| 1116.12 | 1.05e-19 | 1139.74 | 2.97e-20 | 1163.37 | 8.4e-21  | 1186.99 | 2.64e-20 |
| 1116.60 | 1.03e-19 | 1140.22 | 2.89e-20 | 1163.85 | 8.4e-21  | 1187.47 | 2.79e-20 |
| 1117.08 | 1.01e-19 | 1140.71 | 2.76e-20 | 1164.33 | 9.41e-21 | 1187.95 | 2.98e-20 |
| 1117.56 | 9.98e-20 | 1141.19 | 2.64e-20 | 1164.81 | 9.23e-21 | 1188.44 | 3.16e-20 |
| 1118.05 | 9.85e-20 | 1141.67 | 2.61e-20 | 1165.30 | 9.15e-21 | 1188.92 | 3.28e-20 |
| 1118.53 | 9.66e-20 | 1142.15 | 2.61e-20 | 1165.78 | 8.76e-21 | 1189.40 | 3.46e-20 |
| 1119.01 | 9.54e-20 | 1142.64 | 2.67e-20 | 1166.26 | 8.89e-21 | 1189.88 | 3.55e-20 |
| 1119.49 | 9.35e-20 | 1143.12 | 2.65e-20 | 1166.74 | 9.42e-21 | 1190.37 | 3.62e-20 |
| 1119.98 | 9.18e-20 | 1143.60 | 2.56e-20 | 1167.22 | 9.53e-21 | 1190.85 | 3.72e-20 |
| 1120.46 | 9.03e-20 | 1144.08 | 2.5e-20  | 1167.71 | 9.34e-21 | 1191.33 | 3.74e-20 |
| 1120.94 | 8.75e-20 | 1144.56 | 2.48e-20 | 1168.19 | 9.34e-21 | 1191.81 | 3.66e-20 |
| 1121.42 | 8.4e-20  | 1145.05 | 2.42e-20 | 1168.67 | 9.62e-21 | 1192.29 | 3.66e-20 |
| 1121.90 | 8.13e-20 | 1145.53 | 2.27e-20 | 1169.15 | 9.83e-21 | 1192.78 | 3.69e-20 |
| 1122.39 | 8.02e-20 | 1146.01 | 2.11e-20 | 1169.63 | 9.77e-21 | 1193.26 | 3.73e-20 |
| 1122.87 | 7.89e-20 | 1146.49 | 2.01e-20 | 1170.12 | 9.67e-21 | 1193.74 | 3.79e-20 |
| 1123.35 | 7.66e-20 | 1146.97 | 2.03e-20 | 1170.60 | 9.45e-21 | 1194.22 | 3.77e-20 |
| 1123.83 | 7.45e-20 | 1147.46 | 1.97e-20 | 1171.08 | 9.37e-21 | 1194.70 | 3.87e-20 |
| 1124.31 | 7.25e-20 | 1147.94 | 1.91e-20 | 1171.56 | 1.03e-20 | 1195.19 | 3.98e-20 |
| 1124.80 | 7.08e-20 | 1148.42 | 1.9e-20  | 1172.04 | 1.09e-20 | 1195.67 | 4.09e-20 |
| 1125.28 | 6.93e-20 | 1148.90 | 1.84e-20 | 1172.53 | 1.11e-20 | 1196.15 | 4.18e-20 |
| 1125.76 | 6.77e-20 | 1149.38 | 1.77e-20 | 1173.01 | 1.1e-20  | 1196.63 | 4.17e-20 |
| 1126.24 | 6.62e-20 | 1149.87 | 1.73e-20 | 1173.49 | 1.14e-20 | 1197.12 | 4.18e-20 |
| 1126.73 | 6.42e-20 | 1150.35 | 1.69e-20 | 1173.97 | 1.14e-20 | 1197.60 | 4.16e-20 |
| 1127.21 | 6.26e-20 | 1150.83 | 1.57e-20 | 1174.46 | 1.1e-20  | 1198.08 | 4.09e-20 |
| 1127.69 | 6.03e-20 | 1151.31 | 1.45e-20 | 1174.94 | 1.16e-20 | 1198.56 | 4.01e-20 |
| 1128.17 | 5.8e-20  | 1151.80 | 1.44e-20 | 1175.42 | 1.26e-20 | 1199.04 | 3.97e-20 |
| 1128.65 | 5.71e-20 | 1152.28 | 1.42e-20 | 1175.90 | 1.34e-20 | 1199.53 | 3.98e-20 |
| 1129.14 | 5.62e-20 | 1152.76 | 1.38e-20 | 1176.38 | 1.37e-20 | 1200.01 | 4.03e-20 |
| 1129.62 | 5.41e-20 | 1153.24 | 1.41e-20 | 1176.87 | 1.41e-20 | 1200.49 | 3.98e-20 |
| 1130.10 | 5.18e-20 | 1153.72 | 1.33e-20 | 1177.35 | 1.45e-20 | 1200.97 | 3.92e-20 |
| 1130.58 | 5.06e-20 | 1154.21 | 1.27e-20 | 1177.83 | 1.47e-20 | 1201.45 | 4.05e-20 |
| 1131.06 | 4.92e-20 | 1154.69 | 1.27e-20 | 1178.31 | 1.52e-20 | 1201.94 | 4.21e-20 |
| 1131.55 | 4.79e-20 | 1155.17 | 1.22e-20 | 1178.79 | 1.52e-20 | 1202.42 | 4e-20    |
| 1132.03 | 4.66e-20 | 1155.65 | 1.13e-20 | 1179.28 | 1.62e-20 | 1202.90 | 3.72e-20 |
| 1132.51 | 4.45e-20 | 1156.13 | 1.08e-20 | 1179.76 | 1.71e-20 | 1203.38 | 3.59e-20 |
| 1132.99 | 4.3e-20  | 1156.62 | 1.05e-20 | 1180.24 | 1.73e-20 | 1203.87 | 3.51e-20 |
| 1133.47 | 4.25e-20 | 1157.10 | 1.05e-20 | 1180.72 | 1.82e-20 | 1204.35 | 3.66e-20 |
| 1133.96 | 4.13e-20 | 1157.58 | 1.03e-20 | 1181.21 | 1.96e-20 | 1204.83 | 3.92e-20 |
| 1134.44 | 3.95e-20 | 1158.06 | 1.02e-20 | 1181.69 | 2e-20    | 1205.31 | 3.81e-20 |
| 1134.92 | 3.83e-20 | 1158.55 | 1e-20    | 1182.17 | 2.02e-20 | 1205.79 | 3.49e-20 |
| 1135.40 | 3.68e-20 | 1159.03 | 9.39e-21 | 1182.65 | 2.05e-20 | 1206.28 | 3.49e-20 |
| 1135.89 | 3.51e-20 | 1159.51 | 9.02e-21 | 1183.13 | 2.12e-20 | 1206.76 | 3.78e-20 |
| 1136.37 | 3.41e-20 | 1159.99 | 9.09e-21 | 1183.62 | 2.18e-20 | 1207.24 | 4.13e-20 |
| 1136.85 | 3.35e-20 | 1160.47 | 9.24e-21 | 1184.10 | 2.24e-20 | 1207.72 | 4.17e-20 |
| 1137.33 | 3.35e-20 | 1160.96 | 9.5e-21  | 1184.58 | 2.35e-20 | 1208.20 | 3.72e-20 |
| 1137.81 | 3.39e-20 | 1161.44 | 9.54e-21 | 1185.06 | 2.45e-20 | 1208.69 | 3.38e-20 |
| 1138.30 | 3.41e-20 | 1161.92 | 9.42e-21 | 1185.54 | 2.53e-20 | 1209.17 | 3.32e-20 |



|         |          |         |          |         |          |         |          |
|---------|----------|---------|----------|---------|----------|---------|----------|
| 1209.65 | 3.4e-20  | 1233.27 | 2.54e-20 | 1256.90 | 3.11e-20 | 1280.52 | 1.17e-20 |
| 1210.13 | 3.46e-20 | 1233.76 | 2.55e-20 | 1257.38 | 3.14e-20 | 1281.00 | 1.14e-20 |
| 1210.61 | 3.55e-20 | 1234.24 | 2.49e-20 | 1257.86 | 3.25e-20 | 1281.49 | 1.17e-20 |
| 1211.10 | 3.74e-20 | 1234.72 | 2.54e-20 | 1258.35 | 3.26e-20 | 1281.97 | 1.15e-20 |
| 1211.58 | 3.78e-20 | 1235.20 | 2.62e-20 | 1258.83 | 3.26e-20 | 1282.45 | 1.05e-20 |
| 1212.06 | 3.82e-20 | 1235.69 | 2.65e-20 | 1259.31 | 3.25e-20 | 1282.93 | 9.91e-21 |
| 1212.54 | 3.85e-20 | 1236.17 | 2.7e-20  | 1259.79 | 3.24e-20 | 1283.42 | 1.01e-20 |
| 1213.03 | 3.86e-20 | 1236.65 | 2.75e-20 | 1260.27 | 3.21e-20 | 1283.90 | 9.9e-21  |
| 1213.51 | 3.82e-20 | 1237.13 | 2.88e-20 | 1260.76 | 3.16e-20 | 1284.38 | 9.89e-21 |
| 1213.99 | 3.8e-20  | 1237.61 | 2.92e-20 | 1261.24 | 3.12e-20 | 1284.86 | 9.79e-21 |
| 1214.47 | 3.78e-20 | 1238.10 | 2.95e-20 | 1261.72 | 3.15e-20 | 1285.34 | 9.79e-21 |
| 1214.95 | 3.78e-20 | 1238.58 | 3.02e-20 | 1262.20 | 3.25e-20 | 1285.83 | 9.86e-21 |
| 1215.44 | 3.78e-20 | 1239.06 | 3e-20    | 1262.68 | 3.28e-20 | 1286.31 | 9.33e-21 |
| 1215.92 | 3.75e-20 | 1239.54 | 3.01e-20 | 1263.17 | 3.2e-20  | 1286.79 | 8.27e-21 |
| 1216.40 | 3.71e-20 | 1240.02 | 3.11e-20 | 1263.65 | 3.18e-20 | 1287.27 | 8.95e-21 |
| 1216.88 | 3.64e-20 | 1240.51 | 3.15e-20 | 1264.13 | 3.24e-20 | 1287.75 | 9.87e-21 |
| 1217.36 | 3.64e-20 | 1240.99 | 3.14e-20 | 1264.61 | 3.17e-20 | 1288.24 | 9.67e-21 |
| 1217.85 | 3.62e-20 | 1241.47 | 3.19e-20 | 1265.09 | 3.01e-20 | 1288.72 | 8.62e-21 |
| 1218.33 | 3.5e-20  | 1241.95 | 3.25e-20 | 1265.58 | 2.99e-20 | 1289.20 | 8.46e-21 |
| 1218.81 | 3.43e-20 | 1242.43 | 3.3e-20  | 1266.06 | 2.98e-20 | 1289.68 | 8.64e-21 |
| 1219.29 | 3.44e-20 | 1242.92 | 3.31e-20 | 1266.54 | 2.86e-20 | 1290.17 | 7.96e-21 |
| 1219.78 | 3.4e-20  | 1243.40 | 3.25e-20 | 1267.02 | 2.78e-20 | 1290.65 | 7.14e-21 |
| 1220.26 | 3.3e-20  | 1243.88 | 3.29e-20 | 1267.51 | 2.7e-20  | 1291.13 | 6.73e-21 |
| 1220.74 | 3.19e-20 | 1244.36 | 3.3e-20  | 1267.99 | 2.63e-20 | 1291.61 | 7.59e-21 |
| 1221.22 | 3.12e-20 | 1244.85 | 3.32e-20 | 1268.47 | 2.56e-20 | 1292.09 | 7.8e-21  |
| 1221.70 | 3.04e-20 | 1245.33 | 3.29e-20 | 1268.95 | 2.39e-20 | 1292.58 | 7.36e-21 |
| 1222.19 | 2.99e-20 | 1245.81 | 3.21e-20 | 1269.43 | 2.3e-20  | 1293.06 | 8.1e-21  |
| 1222.67 | 3.02e-20 | 1246.29 | 3.17e-20 | 1269.92 | 2.28e-20 | 1293.54 | 8.38e-21 |
| 1223.15 | 2.99e-20 | 1246.77 | 3.21e-20 | 1270.40 | 2.24e-20 | 1294.02 | 7.46e-21 |
| 1223.63 | 2.83e-20 | 1247.26 | 3.15e-20 | 1270.88 | 2.2e-20  | 1294.50 | 6.78e-21 |
| 1224.11 | 2.67e-20 | 1247.74 | 3.1e-20  | 1271.36 | 2.15e-20 | 1294.99 | 6.71e-21 |
| 1224.60 | 2.58e-20 | 1248.22 | 3.04e-20 | 1271.84 | 2.07e-20 | 1295.47 | 6.68e-21 |
| 1225.08 | 2.58e-20 | 1248.70 | 2.97e-20 | 1272.33 | 2.01e-20 | 1295.95 | 5.92e-21 |
| 1225.56 | 2.6e-20  | 1249.18 | 2.92e-20 | 1272.81 | 1.96e-20 | 1296.43 | 5.75e-21 |
| 1226.04 | 2.62e-20 | 1249.67 | 3e-20    | 1273.29 | 1.93e-20 | 1296.92 | 6.33e-21 |
| 1226.52 | 2.54e-20 | 1250.15 | 3.15e-20 | 1273.77 | 1.91e-20 | 1297.40 | 6.44e-21 |
| 1227.01 | 2.46e-20 | 1250.63 | 3.33e-20 | 1274.26 | 1.84e-20 | 1297.88 | 6.23e-21 |
| 1227.49 | 2.49e-20 | 1251.11 | 3.97e-20 | 1274.74 | 1.77e-20 | 1298.36 | 6.24e-21 |
| 1227.97 | 2.48e-20 | 1251.60 | 5.16e-20 | 1275.22 | 1.7e-20  | 1298.84 | 6.3e-21  |
| 1228.45 | 2.46e-20 | 1252.08 | 5.07e-20 | 1275.70 | 1.61e-20 | 1299.33 | 5.82e-21 |
| 1228.94 | 2.42e-20 | 1252.56 | 3.73e-20 | 1276.18 | 1.58e-20 | 1299.81 | 5.96e-21 |
| 1229.42 | 2.39e-20 | 1253.04 | 3e-20    | 1276.67 | 1.54e-20 | 1300.29 | 5.96e-21 |
| 1229.90 | 2.41e-20 | 1253.52 | 2.88e-20 | 1277.15 | 1.47e-20 | 1300.77 | 5.9e-21  |
| 1230.38 | 2.42e-20 | 1254.01 | 2.92e-20 | 1277.63 | 1.4e-20  | 1301.25 | 5.79e-21 |
| 1230.86 | 2.47e-20 | 1254.49 | 2.96e-20 | 1278.11 | 1.37e-20 | 1301.74 | 5.53e-21 |
| 1231.35 | 2.56e-20 | 1254.97 | 3.08e-20 | 1278.59 | 1.35e-20 | 1302.22 | 5.56e-21 |
| 1231.83 | 2.55e-20 | 1255.45 | 3e-20    | 1279.08 | 1.32e-20 | 1302.70 | 6.01e-21 |
| 1232.31 | 2.49e-20 | 1255.93 | 3e-20    | 1279.56 | 1.32e-20 | 1303.18 | 6.07e-21 |
| 1232.79 | 2.47e-20 | 1256.42 | 3.09e-20 | 1280.04 | 1.26e-20 | 1303.66 | 6.21e-21 |

|         |          |         |          |         |          |         |          |
|---------|----------|---------|----------|---------|----------|---------|----------|
| 1304.15 | 5.79e-21 | 1327.77 | 1.16e-20 | 1351.40 | 3.41e-20 | 1375.02 | 8.52e-20 |
| 1304.63 | 4.98e-21 | 1328.25 | 1.27e-20 | 1351.88 | 2.86e-20 | 1375.50 | 9.27e-20 |
| 1305.11 | 5.17e-21 | 1328.74 | 1.34e-20 | 1352.36 | 2.81e-20 | 1375.98 | 7.71e-20 |
| 1305.59 | 5.46e-21 | 1329.22 | 1.31e-20 | 1352.84 | 2.93e-20 | 1376.47 | 6.27e-20 |
| 1306.08 | 5.28e-21 | 1329.70 | 1.33e-20 | 1353.32 | 3.07e-20 | 1376.95 | 5.52e-20 |
| 1306.56 | 5.15e-21 | 1330.18 | 1.36e-20 | 1353.81 | 3.14e-20 | 1377.43 | 5.46e-20 |
| 1307.04 | 4.72e-21 | 1330.66 | 1.41e-20 | 1354.29 | 3.24e-20 | 1377.91 | 5.61e-20 |
| 1307.52 | 5e-21    | 1331.15 | 1.45e-20 | 1354.77 | 3.43e-20 | 1378.39 | 5.64e-20 |
| 1308.00 | 5.79e-21 | 1331.63 | 1.5e-20  | 1355.25 | 3.63e-20 | 1378.88 | 5.71e-20 |
| 1308.49 | 6.47e-21 | 1332.11 | 1.53e-20 | 1355.73 | 3.77e-20 | 1379.36 | 5.85e-20 |
| 1308.97 | 6.38e-21 | 1332.59 | 1.55e-20 | 1356.22 | 3.91e-20 | 1379.84 | 5.96e-20 |
| 1309.45 | 5.47e-21 | 1333.07 | 1.56e-20 | 1356.70 | 4.06e-20 | 1380.32 | 6.12e-20 |
| 1309.93 | 5.32e-21 | 1333.56 | 1.63e-20 | 1357.18 | 4.23e-20 | 1380.80 | 6.33e-20 |
| 1310.41 | 5.64e-21 | 1334.04 | 1.71e-20 | 1357.66 | 4.4e-20  | 1381.29 | 6.41e-20 |
| 1310.90 | 5.37e-21 | 1334.52 | 1.78e-20 | 1358.14 | 4.6e-20  | 1381.77 | 6.47e-20 |
| 1311.38 | 4.68e-21 | 1335.00 | 1.81e-20 | 1358.63 | 4.7e-20  | 1382.25 | 6.45e-20 |
| 1311.86 | 5.28e-21 | 1335.48 | 1.82e-20 | 1359.11 | 4.73e-20 | 1382.73 | 6.43e-20 |
| 1312.34 | 6.48e-21 | 1335.97 | 1.85e-20 | 1359.59 | 4.86e-20 | 1383.22 | 6.51e-20 |
| 1312.83 | 6.4e-21  | 1336.45 | 1.89e-20 | 1360.07 | 5e-20    | 1383.70 | 6.61e-20 |
| 1313.31 | 6.05e-21 | 1336.93 | 1.94e-20 | 1360.56 | 5.21e-20 | 1384.18 | 6.73e-20 |
| 1313.79 | 5.84e-21 | 1337.41 | 1.97e-20 | 1361.04 | 5.48e-20 | 1384.66 | 6.8e-20  |
| 1314.27 | 5.82e-21 | 1337.90 | 2.09e-20 | 1361.52 | 5.44e-20 | 1385.14 | 6.86e-20 |
| 1314.75 | 6.24e-21 | 1338.38 | 2.24e-20 | 1362.00 | 5.39e-20 | 1385.63 | 7e-20    |
| 1315.24 | 6.67e-21 | 1338.86 | 2.22e-20 | 1362.48 | 5.58e-20 | 1386.11 | 7.05e-20 |
| 1315.72 | 7.04e-21 | 1339.34 | 2.18e-20 | 1362.97 | 5.75e-20 | 1386.59 | 6.99e-20 |
| 1316.20 | 6.87e-21 | 1339.82 | 2.15e-20 | 1363.45 | 5.73e-20 | 1387.07 | 7.17e-20 |
| 1316.68 | 6.73e-21 | 1340.31 | 2.22e-20 | 1363.93 | 5.61e-20 | 1387.55 | 7.4e-20  |
| 1317.16 | 6.79e-21 | 1340.79 | 2.13e-20 | 1364.41 | 5.66e-20 | 1388.04 | 7.07e-20 |
| 1317.65 | 6.72e-21 | 1341.27 | 2.03e-20 | 1364.89 | 5.71e-20 | 1388.52 | 6.89e-20 |
| 1318.13 | 6.93e-21 | 1341.75 | 2.14e-20 | 1365.38 | 5.8e-20  | 1389.00 | 6.87e-20 |
| 1318.61 | 7.64e-21 | 1342.23 | 2.23e-20 | 1365.86 | 5.83e-20 | 1389.48 | 6.73e-20 |
| 1319.09 | 7.92e-21 | 1342.72 | 2.26e-20 | 1366.34 | 5.79e-20 | 1389.96 | 6.65e-20 |
| 1319.57 | 7.98e-21 | 1343.20 | 2.26e-20 | 1366.82 | 5.82e-20 | 1390.45 | 6.67e-20 |
| 1320.06 | 8.62e-21 | 1343.68 | 2.23e-20 | 1367.31 | 5.75e-20 | 1390.93 | 6.54e-20 |
| 1320.54 | 8.51e-21 | 1344.16 | 2.25e-20 | 1367.79 | 5.63e-20 | 1391.41 | 6.45e-20 |
| 1321.02 | 8.27e-21 | 1344.65 | 2.3e-20  | 1368.27 | 5.66e-20 | 1391.89 | 6.37e-20 |
| 1321.50 | 8.33e-21 | 1345.13 | 2.33e-20 | 1368.75 | 5.72e-20 | 1392.38 | 6.27e-20 |
| 1321.99 | 8.82e-21 | 1345.61 | 2.36e-20 | 1369.23 | 5.71e-20 | 1392.86 | 6.18e-20 |
| 1322.47 | 9.21e-21 | 1346.09 | 2.36e-20 | 1369.72 | 5.71e-20 | 1393.34 | 6.2e-20  |
| 1322.95 | 9.33e-21 | 1346.57 | 2.33e-20 | 1370.20 | 5.68e-20 | 1393.82 | 6.26e-20 |
| 1323.43 | 9.64e-21 | 1347.06 | 2.37e-20 | 1370.68 | 5.44e-20 | 1394.30 | 6.49e-20 |
| 1323.91 | 9.08e-21 | 1347.54 | 2.49e-20 | 1371.16 | 5.24e-20 | 1394.79 | 6.35e-20 |
| 1324.40 | 8.65e-21 | 1348.02 | 2.53e-20 | 1371.64 | 5.12e-20 | 1395.27 | 6.09e-20 |
| 1324.88 | 9.11e-21 | 1348.50 | 2.59e-20 | 1372.13 | 5.12e-20 | 1395.75 | 6.12e-20 |
| 1325.36 | 9.69e-21 | 1348.98 | 2.63e-20 | 1372.61 | 5.16e-20 | 1396.23 | 5.96e-20 |
| 1325.84 | 1.04e-20 | 1349.47 | 2.9e-20  | 1373.09 | 5.26e-20 | 1396.71 | 5.78e-20 |
| 1326.32 | 1.04e-20 | 1349.95 | 3.57e-20 | 1373.57 | 5.54e-20 | 1397.20 | 5.81e-20 |
| 1326.81 | 1.06e-20 | 1350.43 | 4.59e-20 | 1374.05 | 5.88e-20 | 1397.68 | 5.77e-20 |
| 1327.29 | 1.14e-20 | 1350.91 | 4.59e-20 | 1374.54 | 6.7e-20  | 1398.16 | 5.64e-20 |

|         |          |         |          |         |          |         |          |
|---------|----------|---------|----------|---------|----------|---------|----------|
| 1398.64 | 5.77e-20 | 1422.27 | 3.85e-20 | 1445.89 | 1.82e-20 | 1469.52 | 2.29e-20 |
| 1399.13 | 6.09e-20 | 1422.75 | 3.66e-20 | 1446.37 | 1.91e-20 | 1470.00 | 2.42e-20 |
| 1399.61 | 5.87e-20 | 1423.23 | 3.64e-20 | 1446.86 | 1.94e-20 | 1470.48 | 2.45e-20 |
| 1400.09 | 5.58e-20 | 1423.71 | 3.82e-20 | 1447.34 | 2.02e-20 | 1470.96 | 2.52e-20 |
| 1400.57 | 5.47e-20 | 1424.20 | 3.74e-20 | 1447.82 | 2.34e-20 | 1471.44 | 2.83e-20 |
| 1401.05 | 5.47e-20 | 1424.68 | 3.47e-20 | 1448.30 | 2.37e-20 | 1471.93 | 3.27e-20 |
| 1401.54 | 5.51e-20 | 1425.16 | 3.32e-20 | 1448.78 | 2.2e-20  | 1472.41 | 2.99e-20 |
| 1402.02 | 5.49e-20 | 1425.64 | 3.22e-20 | 1449.27 | 2.18e-20 | 1472.89 | 2.75e-20 |
| 1402.50 | 5.47e-20 | 1426.12 | 3.12e-20 | 1449.75 | 2.18e-20 | 1473.37 | 3.09e-20 |
| 1402.98 | 5.45e-20 | 1426.61 | 3.05e-20 | 1450.23 | 2.2e-20  | 1473.85 | 2.9e-20  |
| 1403.46 | 5.56e-20 | 1427.09 | 3.02e-20 | 1450.71 | 2.23e-20 | 1474.34 | 2.59e-20 |
| 1403.95 | 5.62e-20 | 1427.57 | 2.92e-20 | 1451.19 | 2.34e-20 | 1474.82 | 2.58e-20 |
| 1404.43 | 5.65e-20 | 1428.05 | 2.87e-20 | 1451.68 | 2.41e-20 | 1475.30 | 2.46e-20 |
| 1404.91 | 5.69e-20 | 1428.53 | 2.77e-20 | 1452.16 | 2.41e-20 | 1475.78 | 2.6e-20  |
| 1405.39 | 5.56e-20 | 1429.02 | 2.61e-20 | 1452.64 | 2.28e-20 | 1476.27 | 2.85e-20 |
| 1405.88 | 5.38e-20 | 1429.50 | 2.7e-20  | 1453.12 | 2.23e-20 | 1476.75 | 2.6e-20  |
| 1406.36 | 5.26e-20 | 1429.98 | 2.85e-20 | 1453.61 | 2.21e-20 | 1477.23 | 2.34e-20 |
| 1406.84 | 5.22e-20 | 1430.46 | 2.61e-20 | 1454.09 | 2.19e-20 | 1477.71 | 2.25e-20 |
| 1407.32 | 5.22e-20 | 1430.95 | 2.4e-20  | 1454.57 | 2.21e-20 | 1478.19 | 2.18e-20 |
| 1407.80 | 5.12e-20 | 1431.43 | 2.32e-20 | 1455.05 | 2.27e-20 | 1478.68 | 2.07e-20 |
| 1408.29 | 5.09e-20 | 1431.91 | 2.29e-20 | 1455.53 | 2.11e-20 | 1479.16 | 2.01e-20 |
| 1408.77 | 4.92e-20 | 1432.39 | 2.16e-20 | 1456.02 | 2.16e-20 | 1479.64 | 1.94e-20 |
| 1409.25 | 4.88e-20 | 1432.87 | 2.1e-20  | 1456.50 | 2.98e-20 | 1480.12 | 1.81e-20 |
| 1409.73 | 4.97e-20 | 1433.36 | 2.08e-20 | 1456.98 | 3.3e-20  | 1480.60 | 1.73e-20 |
| 1410.21 | 4.96e-20 | 1433.84 | 1.97e-20 | 1457.46 | 2.56e-20 | 1481.09 | 1.77e-20 |
| 1410.70 | 4.92e-20 | 1434.32 | 1.86e-20 | 1457.94 | 2.76e-20 | 1481.57 | 1.65e-20 |
| 1411.18 | 5.06e-20 | 1434.80 | 1.77e-20 | 1458.43 | 3.68e-20 | 1482.05 | 1.46e-20 |
| 1411.66 | 5.14e-20 | 1435.28 | 1.76e-20 | 1458.91 | 4.74e-20 | 1482.53 | 1.4e-20  |
| 1412.14 | 5.05e-20 | 1435.77 | 1.76e-20 | 1459.39 | 5.06e-20 | 1483.02 | 1.32e-20 |
| 1412.62 | 4.97e-20 | 1436.25 | 2.17e-20 | 1459.87 | 4.18e-20 | 1483.50 | 1.25e-20 |
| 1413.11 | 4.92e-20 | 1436.73 | 2.67e-20 | 1460.36 | 3.31e-20 | 1483.98 | 1.21e-20 |
| 1413.59 | 4.88e-20 | 1437.21 | 2.03e-20 | 1460.84 | 2.5e-20  | 1484.46 | 1.16e-20 |
| 1414.07 | 4.88e-20 | 1437.70 | 1.5e-20  | 1461.32 | 1.96e-20 | 1484.94 | 1.14e-20 |
| 1414.55 | 4.89e-20 | 1438.18 | 1.51e-20 | 1461.80 | 1.68e-20 | 1485.43 | 1.06e-20 |
| 1415.04 | 4.82e-20 | 1438.66 | 1.52e-20 | 1462.28 | 1.54e-20 | 1485.91 | 1.01e-20 |
| 1415.52 | 4.72e-20 | 1439.14 | 1.51e-20 | 1462.77 | 1.6e-20  | 1486.39 | 9.65e-21 |
| 1416.00 | 4.62e-20 | 1439.62 | 1.47e-20 | 1463.25 | 1.63e-20 | 1486.87 | 1.04e-20 |
| 1416.48 | 4.43e-20 | 1440.11 | 1.46e-20 | 1463.73 | 1.63e-20 | 1487.35 | 1.21e-20 |
| 1416.96 | 4.48e-20 | 1440.59 | 1.5e-20  | 1464.21 | 1.86e-20 | 1487.84 | 9.11e-21 |
| 1417.45 | 4.6e-20  | 1441.07 | 1.46e-20 | 1464.69 | 2.56e-20 | 1488.32 | 7.12e-21 |
| 1417.93 | 4.49e-20 | 1441.55 | 1.46e-20 | 1465.18 | 2.89e-20 | 1488.80 | 7.54e-21 |
| 1418.41 | 4.46e-20 | 1442.03 | 1.48e-20 | 1465.66 | 3.07e-20 | 1489.28 | 8.84e-21 |
| 1418.89 | 4.77e-20 | 1442.52 | 1.51e-20 | 1466.14 | 3.98e-20 | 1489.76 | 9.91e-21 |
| 1419.37 | 5.12e-20 | 1443.00 | 1.57e-20 | 1466.62 | 4.61e-20 | 1490.25 | 8.53e-21 |
| 1419.86 | 4.64e-20 | 1443.48 | 1.62e-20 | 1467.10 | 4.07e-20 | 1490.73 | 9.1e-21  |
| 1420.34 | 4.26e-20 | 1443.96 | 1.68e-20 | 1467.59 | 2.99e-20 | 1491.21 | 8.01e-21 |
| 1420.82 | 4.16e-20 | 1444.45 | 1.68e-20 | 1468.07 | 2.42e-20 | 1491.69 | 5.24e-21 |
| 1421.30 | 4.03e-20 | 1444.93 | 1.73e-20 | 1468.55 | 2.29e-20 | 1492.18 | 4.82e-21 |
| 1421.79 | 3.98e-20 | 1445.41 | 1.76e-20 | 1469.03 | 2.28e-20 | 1492.66 | 5.06e-21 |

|         |          |         |   |         |   |         |   |
|---------|----------|---------|---|---------|---|---------|---|
| 1493.14 | 4.89e-21 | 1516.76 | 0 | 1540.39 | 0 | 1564.01 | 0 |
| 1493.62 | 4.49e-21 | 1517.25 | 0 | 1540.87 | 0 | 1564.49 | 0 |
| 1494.10 | 4.36e-21 | 1517.73 | 0 | 1541.35 | 0 | 1564.98 | 0 |
| 1494.59 | 3.93e-21 | 1518.21 | 0 | 1541.83 | 0 | 1565.46 | 0 |
| 1495.07 | 3.78e-21 | 1518.69 | 0 | 1542.32 | 0 | 1565.94 | 0 |
| 1495.55 | 0        | 1519.17 | 0 | 1542.80 | 0 | 1566.42 | 0 |
| 1496.03 | 0        | 1519.66 | 0 | 1543.28 | 0 | 1566.90 | 0 |
| 1496.51 | 0        | 1520.14 | 0 | 1543.76 | 0 | 1567.39 | 0 |
| 1497.00 | 0        | 1520.62 | 0 | 1544.24 | 0 | 1567.87 | 0 |
| 1497.48 | 0        | 1521.10 | 0 | 1544.73 | 0 | 1568.35 | 0 |
| 1497.96 | 0        | 1521.58 | 0 | 1545.21 | 0 | 1568.83 | 0 |
| 1498.44 | 0        | 1522.07 | 0 | 1545.69 | 0 | 1569.32 | 0 |
| 1498.93 | 0        | 1522.55 | 0 | 1546.17 | 0 | 1569.80 | 0 |
| 1499.41 | 0        | 1523.03 | 0 | 1546.66 | 0 | 1570.28 | 0 |
| 1499.89 | 0        | 1523.51 | 0 | 1547.14 | 0 | 1570.76 | 0 |
| 1500.37 | 0        | 1524.00 | 0 | 1547.62 | 0 | 1571.24 | 0 |
| 1500.85 | 0        | 1524.48 | 0 | 1548.10 | 0 | 1571.73 | 0 |
| 1501.34 | 0        | 1524.96 | 0 | 1548.58 | 0 | 1572.21 | 0 |
| 1501.82 | 0        | 1525.44 | 0 | 1549.07 | 0 | 1572.69 | 0 |
| 1502.30 | 0        | 1525.92 | 0 | 1549.55 | 0 | 1573.17 | 0 |
| 1502.78 | 0        | 1526.41 | 0 | 1550.03 | 0 | 1573.65 | 0 |
| 1503.26 | 0        | 1526.89 | 0 | 1550.51 | 0 | 1574.14 | 0 |
| 1503.75 | 0        | 1527.37 | 0 | 1550.99 | 0 | 1574.62 | 0 |
| 1504.23 | 0        | 1527.85 | 0 | 1551.48 | 0 | 1575.10 | 0 |
| 1504.71 | 0        | 1528.33 | 0 | 1551.96 | 0 | 1575.58 | 0 |
| 1505.19 | 0        | 1528.82 | 0 | 1552.44 | 0 | 1576.07 | 0 |
| 1505.67 | 0        | 1529.30 | 0 | 1552.92 | 0 | 1576.55 | 0 |
| 1506.16 | 0        | 1529.78 | 0 | 1553.41 | 0 | 1577.03 | 0 |
| 1506.64 | 0        | 1530.26 | 0 | 1553.89 | 0 | 1577.51 | 0 |
| 1507.12 | 0        | 1530.75 | 0 | 1554.37 | 0 | 1577.99 | 0 |
| 1507.60 | 0        | 1531.23 | 0 | 1554.85 | 0 | 1578.48 | 0 |
| 1508.09 | 0        | 1531.71 | 0 | 1555.33 | 0 | 1578.96 | 0 |
| 1508.57 | 0        | 1532.19 | 0 | 1555.82 | 0 | 1579.44 | 0 |
| 1509.05 | 0        | 1532.67 | 0 | 1556.30 | 0 | 1579.92 | 0 |
| 1509.53 | 0        | 1533.16 | 0 | 1556.78 | 0 | 1580.40 | 0 |
| 1510.01 | 0        | 1533.64 | 0 | 1557.26 | 0 | 1580.89 | 0 |
| 1510.50 | 0        | 1534.12 | 0 | 1557.74 | 0 | 1581.37 | 0 |
| 1510.98 | 0        | 1534.60 | 0 | 1558.23 | 0 | 1581.85 | 0 |
| 1511.46 | 0        | 1535.08 | 0 | 1558.71 | 0 | 1582.33 | 0 |
| 1511.94 | 0        | 1535.57 | 0 | 1559.19 | 0 | 1582.81 | 0 |
| 1512.42 | 0        | 1536.05 | 0 | 1559.67 | 0 | 1583.30 | 0 |
| 1512.91 | 0        | 1536.53 | 0 | 1560.15 | 0 | 1583.78 | 0 |
| 1513.39 | 0        | 1537.01 | 0 | 1560.64 | 0 | 1584.26 | 0 |
| 1513.87 | 0        | 1537.50 | 0 | 1561.12 | 0 | 1584.74 | 0 |
| 1514.35 | 0        | 1537.98 | 0 | 1561.60 | 0 | 1585.23 | 0 |
| 1514.84 | 0        | 1538.46 | 0 | 1562.08 | 0 | 1585.71 | 0 |
| 1515.32 | 0        | 1538.94 | 0 | 1562.57 | 0 | 1586.19 | 0 |
| 1515.80 | 0        | 1539.42 | 0 | 1563.05 | 0 | 1586.67 | 0 |
| 1516.28 | 0        | 1539.91 | 0 | 1563.53 | 0 | 1587.15 | 0 |

|         |   |         |   |         |   |         |   |
|---------|---|---------|---|---------|---|---------|---|
| 1587.64 | 0 | 1611.26 | 0 | 1634.88 | 0 | 1658.51 | 0 |
| 1588.12 | 0 | 1611.74 | 0 | 1635.37 | 0 | 1658.99 | 0 |
| 1588.60 | 0 | 1612.22 | 0 | 1635.85 | 0 | 1659.47 | 0 |
| 1589.08 | 0 | 1612.71 | 0 | 1636.33 | 0 | 1659.95 | 0 |
| 1589.56 | 0 | 1613.19 | 0 | 1636.81 | 0 | 1660.44 | 0 |
| 1590.05 | 0 | 1613.67 | 0 | 1637.29 | 0 | 1660.92 | 0 |
| 1590.53 | 0 | 1614.15 | 0 | 1637.78 | 0 | 1661.40 | 0 |
| 1591.01 | 0 | 1614.64 | 0 | 1638.26 | 0 | 1661.88 | 0 |
| 1591.49 | 0 | 1615.12 | 0 | 1638.74 | 0 | 1662.37 | 0 |
| 1591.98 | 0 | 1615.60 | 0 | 1639.22 | 0 | 1662.85 | 0 |
| 1592.46 | 0 | 1616.08 | 0 | 1639.71 | 0 | 1663.33 | 0 |
| 1592.94 | 0 | 1616.56 | 0 | 1640.19 | 0 | 1663.81 | 0 |
| 1593.42 | 0 | 1617.05 | 0 | 1640.67 | 0 | 1664.29 | 0 |
| 1593.90 | 0 | 1617.53 | 0 | 1641.15 | 0 | 1664.78 | 0 |
| 1594.39 | 0 | 1618.01 | 0 | 1641.63 | 0 | 1665.26 | 0 |
| 1594.87 | 0 | 1618.49 | 0 | 1642.12 | 0 | 1665.74 | 0 |
| 1595.35 | 0 | 1618.97 | 0 | 1642.60 | 0 | 1666.22 | 0 |
| 1595.83 | 0 | 1619.46 | 0 | 1643.08 | 0 | 1666.70 | 0 |
| 1596.31 | 0 | 1619.94 | 0 | 1643.56 | 0 | 1667.19 | 0 |
| 1596.80 | 0 | 1620.42 | 0 | 1644.04 | 0 | 1667.67 | 0 |
| 1597.28 | 0 | 1620.90 | 0 | 1644.53 | 0 | 1668.15 | 0 |
| 1597.76 | 0 | 1621.38 | 0 | 1645.01 | 0 | 1668.63 | 0 |
| 1598.24 | 0 | 1621.87 | 0 | 1645.49 | 0 | 1669.12 | 0 |
| 1598.72 | 0 | 1622.35 | 0 | 1645.97 | 0 | 1669.60 | 0 |
| 1599.21 | 0 | 1622.83 | 0 | 1646.46 | 0 | 1670.08 | 0 |
| 1599.69 | 0 | 1623.31 | 0 | 1646.94 | 0 | 1670.56 | 0 |
| 1600.17 | 0 | 1623.80 | 0 | 1647.42 | 0 | 1671.04 | 0 |
| 1600.65 | 0 | 1624.28 | 0 | 1647.90 | 0 | 1671.53 | 0 |
| 1601.14 | 0 | 1624.76 | 0 | 1648.38 | 0 | 1672.01 | 0 |
| 1601.62 | 0 | 1625.24 | 0 | 1648.87 | 0 | 1672.49 | 0 |
| 1602.10 | 0 | 1625.72 | 0 | 1649.35 | 0 | 1672.97 | 0 |
| 1602.58 | 0 | 1626.21 | 0 | 1649.83 | 0 | 1673.45 | 0 |
| 1603.06 | 0 | 1626.69 | 0 | 1650.31 | 0 | 1673.94 | 0 |
| 1603.55 | 0 | 1627.17 | 0 | 1650.79 | 0 | 1674.42 | 0 |
| 1604.03 | 0 | 1627.65 | 0 | 1651.28 | 0 | 1674.90 | 0 |
| 1604.51 | 0 | 1628.13 | 0 | 1651.76 | 0 | 1675.38 | 0 |
| 1604.99 | 0 | 1628.62 | 0 | 1652.24 | 0 | 1675.86 | 0 |
| 1605.47 | 0 | 1629.10 | 0 | 1652.72 | 0 | 1676.35 | 0 |
| 1605.96 | 0 | 1629.58 | 0 | 1653.20 | 0 | 1676.83 | 0 |
| 1606.44 | 0 | 1630.06 | 0 | 1653.69 | 0 | 1677.31 | 0 |
| 1606.92 | 0 | 1630.55 | 0 | 1654.17 | 0 | 1677.79 | 0 |
| 1607.40 | 0 | 1631.03 | 0 | 1654.65 | 0 | 1678.28 | 0 |
| 1607.89 | 0 | 1631.51 | 0 | 1655.13 | 0 | 1678.76 | 0 |
| 1608.37 | 0 | 1631.99 | 0 | 1655.62 | 0 | 1679.24 | 0 |
| 1608.85 | 0 | 1632.47 | 0 | 1656.10 | 0 | 1679.72 | 0 |
| 1609.33 | 0 | 1632.96 | 0 | 1656.58 | 0 | 1680.20 | 0 |
| 1609.81 | 0 | 1633.44 | 0 | 1657.06 | 0 | 1680.69 | 0 |
| 1610.30 | 0 | 1633.92 | 0 | 1657.54 | 0 | 1681.17 | 0 |
| 1610.78 | 0 | 1634.40 | 0 | 1658.03 | 0 | 1681.65 | 0 |

|         |   |         |   |         |   |         |   |
|---------|---|---------|---|---------|---|---------|---|
| 1682.13 | 0 | 1705.76 | 0 | 1729.38 | 0 | 1753.00 | 0 |
| 1682.61 | 0 | 1706.24 | 0 | 1729.86 | 0 | 1753.49 | 0 |
| 1683.10 | 0 | 1706.72 | 0 | 1730.34 | 0 | 1753.97 | 0 |
| 1683.58 | 0 | 1707.20 | 0 | 1730.83 | 0 | 1754.45 | 0 |
| 1684.06 | 0 | 1707.68 | 0 | 1731.31 | 0 | 1754.93 | 0 |
| 1684.54 | 0 | 1708.17 | 0 | 1731.79 | 0 | 1755.42 | 0 |
| 1685.03 | 0 | 1708.65 | 0 | 1732.27 | 0 | 1755.90 | 0 |
| 1685.51 | 0 | 1709.13 | 0 | 1732.76 | 0 | 1756.38 | 0 |
| 1685.99 | 0 | 1709.61 | 0 | 1733.24 | 0 | 1756.86 | 0 |
| 1686.47 | 0 | 1710.10 | 0 | 1733.72 | 0 | 1757.34 | 0 |
| 1686.95 | 0 | 1710.58 | 0 | 1734.20 | 0 | 1757.83 | 0 |
| 1687.44 | 0 | 1711.06 | 0 | 1734.68 | 0 | 1758.31 | 0 |
| 1687.92 | 0 | 1711.54 | 0 | 1735.17 | 0 | 1758.79 | 0 |
| 1688.40 | 0 | 1712.02 | 0 | 1735.65 | 0 | 1759.27 | 0 |
| 1688.88 | 0 | 1712.51 | 0 | 1736.13 | 0 | 1759.75 | 0 |
| 1689.36 | 0 | 1712.99 | 0 | 1736.61 | 0 | 1760.24 | 0 |
| 1689.85 | 0 | 1713.47 | 0 | 1737.09 | 0 | 1760.72 | 0 |
| 1690.33 | 0 | 1713.95 | 0 | 1737.58 | 0 | 1761.20 | 0 |
| 1690.81 | 0 | 1714.43 | 0 | 1738.06 | 0 | 1761.68 | 0 |
| 1691.29 | 0 | 1714.92 | 0 | 1738.54 | 0 | 1762.17 | 0 |
| 1691.77 | 0 | 1715.40 | 0 | 1739.02 | 0 | 1762.65 | 0 |
| 1692.26 | 0 | 1715.88 | 0 | 1739.51 | 0 | 1763.13 | 0 |
| 1692.74 | 0 | 1716.36 | 0 | 1739.99 | 0 | 1763.61 | 0 |
| 1693.22 | 0 | 1716.85 | 0 | 1740.47 | 0 | 1764.09 | 0 |
| 1693.70 | 0 | 1717.33 | 0 | 1740.95 | 0 | 1764.58 | 0 |
| 1694.19 | 0 | 1717.81 | 0 | 1741.43 | 0 | 1765.06 | 0 |
| 1694.67 | 0 | 1718.29 | 0 | 1741.92 | 0 | 1765.54 | 0 |
| 1695.15 | 0 | 1718.77 | 0 | 1742.40 | 0 | 1766.02 | 0 |
| 1695.63 | 0 | 1719.26 | 0 | 1742.88 | 0 | 1766.50 | 0 |
| 1696.11 | 0 | 1719.74 | 0 | 1743.36 | 0 | 1766.99 | 0 |
| 1696.60 | 0 | 1720.22 | 0 | 1743.84 | 0 | 1767.47 | 0 |
| 1697.08 | 0 | 1720.70 | 0 | 1744.33 | 0 | 1767.95 | 0 |
| 1697.56 | 0 | 1721.18 | 0 | 1744.81 | 0 | 1768.43 | 0 |
| 1698.04 | 0 | 1721.67 | 0 | 1745.29 | 0 | 1768.91 | 0 |
| 1698.52 | 0 | 1722.15 | 0 | 1745.77 | 0 | 1769.40 | 0 |
| 1699.01 | 0 | 1722.63 | 0 | 1746.25 | 0 | 1769.88 | 0 |
| 1699.49 | 0 | 1723.11 | 0 | 1746.74 | 0 | 1770.36 | 0 |
| 1699.97 | 0 | 1723.60 | 0 | 1747.22 | 0 | 1770.84 | 0 |
| 1700.45 | 0 | 1724.08 | 0 | 1747.70 | 0 | 1771.33 | 0 |
| 1700.94 | 0 | 1724.56 | 0 | 1748.18 | 0 | 1771.81 | 0 |
| 1701.42 | 0 | 1725.04 | 0 | 1748.67 | 0 | 1772.29 | 0 |
| 1701.90 | 0 | 1725.52 | 0 | 1749.15 | 0 | 1772.77 | 0 |
| 1702.38 | 0 | 1726.01 | 0 | 1749.63 | 0 | 1773.25 | 0 |
| 1702.86 | 0 | 1726.49 | 0 | 1750.11 | 0 | 1773.74 | 0 |
| 1703.35 | 0 | 1726.97 | 0 | 1750.59 | 0 | 1774.22 | 0 |
| 1703.83 | 0 | 1727.45 | 0 | 1751.08 | 0 | 1774.70 | 0 |
| 1704.31 | 0 | 1727.93 | 0 | 1751.56 | 0 | 1775.18 | 0 |
| 1704.79 | 0 | 1728.42 | 0 | 1752.04 | 0 | 1775.66 | 0 |
| 1705.27 | 0 | 1728.90 | 0 | 1752.52 | 0 | 1776.15 | 0 |

|         |   |         |          |         |          |         |          |
|---------|---|---------|----------|---------|----------|---------|----------|
| 1776.63 | 0 | 1800.25 | 0        | 1823.88 | 0        | 1847.50 | 3.53e-22 |
| 1777.11 | 0 | 1800.73 | 0        | 1824.36 | 0        | 1847.98 | 2.06e-22 |
| 1777.59 | 0 | 1801.22 | 0        | 1824.84 | 1.9e-21  | 1848.47 | 0        |
| 1778.08 | 0 | 1801.70 | 0        | 1825.32 | 3.01e-21 | 1848.95 | 0        |
| 1778.56 | 0 | 1802.18 | 0        | 1825.81 | 0        | 1849.43 | 0        |
| 1779.04 | 0 | 1802.66 | 0        | 1826.29 | 0        | 1849.91 | 0        |
| 1779.52 | 0 | 1803.15 | 0        | 1826.77 | 3.41e-23 | 1850.39 | 0        |
| 1780.00 | 0 | 1803.63 | 0        | 1827.25 | 0        | 1850.88 | 0        |
| 1780.49 | 0 | 1804.11 | 0        | 1827.73 | 0        | 1851.36 | 0        |
| 1780.97 | 0 | 1804.59 | 0        | 1828.22 | 0        | 1851.84 | 0        |
| 1781.45 | 0 | 1805.07 | 0        | 1828.70 | 0        | 1852.32 | 0        |
| 1781.93 | 0 | 1805.56 | 0        | 1829.18 | 8.21e-22 | 1852.80 | 2.71e-22 |
| 1782.41 | 0 | 1806.04 | 0        | 1829.66 | 1.43e-21 | 1853.29 | 0        |
| 1782.90 | 0 | 1806.52 | 0        | 1830.14 | 2.62e-21 | 1853.77 | 0        |
| 1783.38 | 0 | 1807.00 | 0        | 1830.63 | 0        | 1854.25 | 0        |
| 1783.86 | 0 | 1807.48 | 0        | 1831.11 | 0        | 1854.73 | 0        |
| 1784.34 | 0 | 1807.97 | 0        | 1831.59 | 0        | 1855.21 | 0        |
| 1784.82 | 0 | 1808.45 | 0        | 1832.07 | 0        | 1855.70 | 0        |
| 1785.31 | 0 | 1808.93 | 0        | 1832.56 | 0        | 1856.18 | 0        |
| 1785.79 | 0 | 1809.41 | 0        | 1833.04 | 0        | 1856.66 | 0        |
| 1786.27 | 0 | 1809.90 | 0        | 1833.52 | 0        | 1857.14 | 0        |
| 1786.75 | 0 | 1810.38 | 1.47e-21 | 1834.00 | 0        | 1857.63 | 0        |
| 1787.24 | 0 | 1810.86 | 1.44e-21 | 1834.48 | 0        | 1858.11 | 0        |
| 1787.72 | 0 | 1811.34 | 0        | 1834.97 | 0        | 1858.59 | 0        |
| 1788.20 | 0 | 1811.82 | 0        | 1835.45 | 0        | 1859.07 | 0        |
| 1788.68 | 0 | 1812.31 | 0        | 1835.93 | 0        | 1859.55 | 0        |
| 1789.16 | 0 | 1812.79 | 0        | 1836.41 | 0        | 1860.04 | 0        |
| 1789.65 | 0 | 1813.27 | 0        | 1836.89 | 0        | 1860.52 | 0        |
| 1790.13 | 0 | 1813.75 | 0        | 1837.38 | 4.1e-22  | 1861.00 | 0        |
| 1790.61 | 0 | 1814.23 | 0        | 1837.86 | 0        | 1861.48 | 3.53e-22 |
| 1791.09 | 0 | 1814.72 | 0        | 1838.34 | 0        | 1861.96 | 4.22e-22 |
| 1791.57 | 0 | 1815.20 | 0        | 1838.82 | 0        | 1862.45 | 1.26e-22 |
| 1792.06 | 0 | 1815.68 | 0        | 1839.30 | 0        | 1862.93 | 0        |
| 1792.54 | 0 | 1816.16 | 0        | 1839.79 | 0        | 1863.41 | 0        |
| 1793.02 | 0 | 1816.65 | 0        | 1840.27 | 0        | 1863.89 | 0        |
| 1793.50 | 0 | 1817.13 | 0        | 1840.75 | 0        | 1864.38 | 0        |
| 1793.99 | 0 | 1817.61 | 0        | 1841.23 | 0        | 1864.86 | 0        |
| 1794.47 | 0 | 1818.09 | 0        | 1841.72 | 0        | 1865.34 | 0        |
| 1794.95 | 0 | 1818.57 | 0        | 1842.20 | 0        | 1865.82 | 2.78e-22 |
| 1795.43 | 0 | 1819.06 | 0        | 1842.68 | 0        | 1866.30 | 3.25e-22 |
| 1795.91 | 0 | 1819.54 | 0        | 1843.16 | 0        | 1866.79 | 0        |
| 1796.40 | 0 | 1820.02 | 0        | 1843.64 | 1.04e-21 | 1867.27 | 4.81e-22 |
| 1796.88 | 0 | 1820.50 | 0        | 1844.13 | 6.18e-21 | 1867.75 | 2.09e-21 |
| 1797.36 | 0 | 1820.98 | 0        | 1844.61 | 3.96e-21 | 1868.23 | 1.49e-21 |
| 1797.84 | 0 | 1821.47 | 0        | 1845.09 | 0        | 1868.71 | 1.04e-21 |
| 1798.32 | 0 | 1821.95 | 0        | 1845.57 | 0        | 1869.20 | 3.34e-21 |
| 1798.81 | 0 | 1822.43 | 0        | 1846.05 | 0        | 1869.68 | 2.47e-21 |
| 1799.29 | 0 | 1822.91 | 0        | 1846.54 | 0        | 1870.16 | 6.18e-22 |
| 1799.77 | 0 | 1823.39 | 0        | 1847.02 | 0        | 1870.64 | 5.28e-22 |

|         |          |         |          |         |          |         |          |
|---------|----------|---------|----------|---------|----------|---------|----------|
| 1871.13 | 4.42e-22 | 1894.75 | 1.65e-21 | 1918.37 | 3.12e-21 | 1942.00 | 2.27e-21 |
| 1871.61 | 7.54e-22 | 1895.23 | 2.28e-21 | 1918.86 | 1.42e-21 | 1942.48 | 3.65e-21 |
| 1872.09 | 7.23e-22 | 1895.71 | 1.8e-21  | 1919.34 | 1.12e-21 | 1942.96 | 3.3e-21  |
| 1872.57 | 1.6e-22  | 1896.20 | 1.41e-21 | 1919.82 | 1.44e-21 | 1943.44 | 1.7e-21  |
| 1873.05 | 3.46e-23 | 1896.68 | 1.97e-21 | 1920.30 | 8.06e-22 | 1943.93 | 8.09e-22 |
| 1873.54 | 1.97e-22 | 1897.16 | 1.88e-21 | 1920.78 | 6.36e-22 | 1944.41 | 1.29e-21 |
| 1874.02 | 2.26e-22 | 1897.64 | 1.51e-21 | 1921.27 | 1.55e-21 | 1944.89 | 1.81e-21 |
| 1874.50 | 3.46e-22 | 1898.12 | 1.2e-21  | 1921.75 | 1.44e-21 | 1945.37 | 1.69e-21 |
| 1874.98 | 3.66e-22 | 1898.61 | 1.4e-21  | 1922.23 | 1.27e-21 | 1945.85 | 1.19e-21 |
| 1875.46 | 5.73e-22 | 1899.09 | 1.73e-21 | 1922.71 | 1.9e-21  | 1946.34 | 1.63e-21 |
| 1875.95 | 5.97e-22 | 1899.57 | 1.48e-21 | 1923.19 | 2.47e-21 | 1946.82 | 2.08e-21 |
| 1876.43 | 8.64e-22 | 1900.05 | 1.38e-21 | 1923.68 | 1.3e-21  | 1947.30 | 1.99e-21 |
| 1876.91 | 1.21e-21 | 1900.53 | 1.66e-21 | 1924.16 | 2.8e-22  | 1947.78 | 1.79e-21 |
| 1877.39 | 1.07e-21 | 1901.02 | 1.97e-21 | 1924.64 | 4.94e-22 | 1948.27 | 1.18e-21 |
| 1877.87 | 8.69e-22 | 1901.50 | 2.04e-21 | 1925.12 | 1.22e-21 | 1948.75 | 1.28e-21 |
| 1878.36 | 7.56e-22 | 1901.98 | 1.16e-21 | 1925.61 | 1.33e-21 | 1949.23 | 1.86e-21 |
| 1878.84 | 1.09e-21 | 1902.46 | 9.04e-22 | 1926.09 | 1e-21    | 1949.71 | 2.38e-21 |
| 1879.32 | 1.56e-21 | 1902.95 | 1.4e-21  | 1926.57 | 7.02e-22 | 1950.19 | 2.6e-21  |
| 1879.80 | 1.43e-21 | 1903.43 | 1.37e-21 | 1927.05 | 1.04e-21 | 1950.68 | 2.43e-21 |
| 1880.29 | 1.39e-21 | 1903.91 | 1.26e-21 | 1927.53 | 1.25e-21 | 1951.16 | 1.74e-21 |
| 1880.77 | 1.61e-21 | 1904.39 | 1.51e-21 | 1928.02 | 1.08e-21 | 1951.64 | 1.34e-21 |
| 1881.25 | 1.27e-21 | 1904.87 | 1.28e-21 | 1928.50 | 1.24e-21 | 1952.12 | 8.11e-22 |
| 1881.73 | 7.91e-22 | 1905.36 | 9.77e-22 | 1928.98 | 9.58e-22 | 1952.60 | 8.03e-22 |
| 1882.21 | 5.67e-22 | 1905.84 | 9.89e-22 | 1929.46 | 8.65e-22 | 1953.09 | 1.1e-21  |
| 1882.70 | 3.32e-22 | 1906.32 | 1.04e-21 | 1929.94 | 1.23e-21 | 1953.57 | 1.07e-21 |
| 1883.18 | 4.38e-22 | 1906.80 | 1.21e-21 | 1930.43 | 1.61e-21 | 1954.05 | 1.22e-21 |
| 1883.66 | 7.68e-22 | 1907.28 | 9.82e-22 | 1930.91 | 1.77e-21 | 1954.53 | 1.53e-21 |
| 1884.14 | 1.23e-21 | 1907.77 | 1.06e-21 | 1931.39 | 1.5e-21  | 1955.01 | 1.74e-21 |
| 1884.62 | 1.69e-21 | 1908.25 | 1.24e-21 | 1931.87 | 1.4e-21  | 1955.50 | 1.47e-21 |
| 1885.11 | 1.93e-21 | 1908.73 | 8.63e-22 | 1932.35 | 1.98e-21 | 1955.98 | 1.29e-21 |
| 1885.59 | 1.63e-21 | 1909.21 | 5.76e-22 | 1932.84 | 2e-21    | 1956.46 | 1.52e-21 |
| 1886.07 | 8.42e-22 | 1909.70 | 1.64e-21 | 1933.32 | 1.38e-21 | 1956.94 | 2.22e-21 |
| 1886.55 | 7.74e-22 | 1910.18 | 2.58e-21 | 1933.80 | 1.68e-21 | 1957.43 | 2.46e-21 |
| 1887.04 | 9.84e-22 | 1910.66 | 1.88e-21 | 1934.28 | 1.99e-21 | 1957.91 | 2.34e-21 |
| 1887.52 | 9.36e-22 | 1911.14 | 1.33e-21 | 1934.77 | 1.74e-21 | 1958.39 | 1.87e-21 |
| 1888.00 | 8.16e-22 | 1911.62 | 5.94e-22 | 1935.25 | 1.65e-21 | 1958.87 | 1.94e-21 |
| 1888.48 | 9.26e-22 | 1912.11 | 3.08e-24 | 1935.73 | 1.36e-21 | 1959.35 | 1.8e-21  |
| 1888.96 | 1.95e-21 | 1912.59 | 6.79e-23 | 1936.21 | 1.19e-21 | 1959.84 | 1.76e-21 |
| 1889.45 | 3.48e-21 | 1913.07 | 9.45e-22 | 1936.69 | 1.31e-21 | 1960.32 | 2.42e-21 |
| 1889.93 | 2.17e-21 | 1913.55 | 9.74e-22 | 1937.18 | 1.28e-21 | 1960.80 | 2.78e-21 |
| 1890.41 | 1.01e-21 | 1914.03 | 1.17e-21 | 1937.66 | 1.44e-21 | 1961.28 | 2.41e-21 |
| 1890.89 | 7.32e-22 | 1914.52 | 1.19e-21 | 1938.14 | 1.43e-21 | 1961.76 | 1.91e-21 |
| 1891.37 | 3.43e-22 | 1915.00 | 1.01e-21 | 1938.62 | 1.58e-21 | 1962.25 | 1.61e-21 |
| 1891.86 | 8.19e-22 | 1915.48 | 7.17e-22 | 1939.10 | 1.89e-21 | 1962.73 | 1.35e-21 |
| 1892.34 | 1.06e-21 | 1915.96 | 6.85e-22 | 1939.59 | 2.11e-21 | 1963.21 | 1.19e-21 |
| 1892.82 | 1.26e-21 | 1916.44 | 1.08e-21 | 1940.07 | 1.92e-21 | 1963.69 | 1.49e-21 |
| 1893.30 | 1.54e-21 | 1916.93 | 1.12e-21 | 1940.55 | 1.54e-21 | 1964.18 | 1.45e-21 |
| 1893.78 | 1.52e-21 | 1917.41 | 1.64e-21 | 1941.03 | 1.61e-21 | 1964.66 | 1.15e-21 |
| 1894.27 | 1.24e-21 | 1917.89 | 3.85e-21 | 1941.52 | 1.88e-21 | 1965.14 | 1.74e-21 |



|         |          |         |          |         |          |         |          |
|---------|----------|---------|----------|---------|----------|---------|----------|
| 1965.62 | 1.97e-21 | 1989.25 | 8.17e-22 | 2012.87 | 0        | 2036.49 | 0        |
| 1966.10 | 1.71e-21 | 1989.73 | 7.49e-22 | 2013.35 | 0        | 2036.98 | 0        |
| 1966.59 | 1.63e-21 | 1990.21 | 3.35e-22 | 2013.83 | 0        | 2037.46 | 0        |
| 1967.07 | 1.7e-21  | 1990.69 | 4.45e-22 | 2014.32 | 0        | 2037.94 | 0        |
| 1967.55 | 2.04e-21 | 1991.17 | 9.04e-22 | 2014.80 | 0        | 2038.42 | 0        |
| 1968.03 | 1.37e-21 | 1991.66 | 2.07e-21 | 2015.28 | 0        | 2038.90 | 0        |
| 1968.51 | 1.3e-21  | 1992.14 | 2e-21    | 2015.76 | 0        | 2039.39 | 0        |
| 1969.00 | 1.95e-21 | 1992.62 | 1.13e-21 | 2016.24 | 0        | 2039.87 | 0        |
| 1969.48 | 1.16e-21 | 1993.10 | 1.16e-21 | 2016.73 | 0        | 2040.35 | 0        |
| 1969.96 | 1.02e-21 | 1993.58 | 1.27e-21 | 2017.21 | 0        | 2040.83 | 0        |
| 1970.44 | 1.62e-21 | 1994.07 | 6.15e-22 | 2017.69 | 0        | 2041.32 | 0        |
| 1970.92 | 1.61e-21 | 1994.55 | 7.9e-22  | 2018.17 | 0        | 2041.80 | 0        |
| 1971.41 | 1.53e-21 | 1995.03 | 7.94e-22 | 2018.66 | 0        | 2042.28 | 0        |
| 1971.89 | 1.49e-21 | 1995.51 | 1.25e-22 | 2019.14 | 0        | 2042.76 | 0        |
| 1972.37 | 1.6e-21  | 1996.00 | 0        | 2019.62 | 0        | 2043.24 | 0        |
| 1972.85 | 1.91e-21 | 1996.48 | 1.67e-22 | 2020.10 | 0        | 2043.73 | 0        |
| 1973.34 | 1.68e-21 | 1996.96 | 6.63e-22 | 2020.58 | 0        | 2044.21 | 0        |
| 1973.82 | 1.62e-21 | 1997.44 | 6.71e-22 | 2021.07 | 0        | 2044.69 | 0        |
| 1974.30 | 1.35e-21 | 1997.92 | 6.3e-22  | 2021.55 | 0        | 2045.17 | 0        |
| 1974.78 | 1.16e-21 | 1998.41 | 5.36e-22 | 2022.03 | 0        | 2045.65 | 0        |
| 1975.26 | 1.48e-21 | 1998.89 | 2.16e-22 | 2022.51 | 0        | 2046.14 | 0        |
| 1975.75 | 2.08e-21 | 1999.37 | 0        | 2022.99 | 0        | 2046.62 | 0        |
| 1976.23 | 2.16e-21 | 1999.85 | 0        | 2023.48 | 0        | 2047.10 | 0        |
| 1976.71 | 2.2e-21  | 2000.33 | 0        | 2023.96 | 0        | 2047.58 | 0        |
| 1977.19 | 1.67e-21 | 2000.82 | 0        | 2024.44 | 0        | 2048.06 | 5.22e-23 |
| 1977.67 | 1.23e-21 | 2001.30 | 9.89e-23 | 2024.92 | 0        | 2048.55 | 0        |
| 1978.16 | 1.29e-21 | 2001.78 | 3.69e-22 | 2025.40 | 0        | 2049.03 | 0        |
| 1978.64 | 1.06e-21 | 2002.26 | 2.5e-22  | 2025.89 | 0        | 2049.51 | 0        |
| 1979.12 | 1.5e-21  | 2002.75 | 0        | 2026.37 | 0        | 2049.99 | 0        |
| 1979.60 | 1.81e-21 | 2003.23 | 0        | 2026.85 | 0        | 2050.48 | 0        |
| 1980.09 | 1.49e-21 | 2003.71 | 0        | 2027.33 | 0        | 2050.96 | 1.3e-22  |
| 1980.57 | 1.68e-21 | 2004.19 | 0        | 2027.82 | 0        | 2051.44 | 4.54e-23 |
| 1981.05 | 1.74e-21 | 2004.67 | 0        | 2028.30 | 0        | 2051.92 | 0        |
| 1981.53 | 1.3e-21  | 2005.16 | 1.85e-22 | 2028.78 | 0        | 2052.40 | 0        |
| 1982.01 | 1.33e-21 | 2005.64 | 3.11e-22 | 2029.26 | 0        | 2052.89 | 0        |
| 1982.50 | 1.65e-21 | 2006.12 | 8.99e-23 | 2029.74 | 0        | 2053.37 | 0        |
| 1982.98 | 1.6e-21  | 2006.60 | 0        | 2030.23 | 0        | 2053.85 | 0        |
| 1983.46 | 1.24e-21 | 2007.08 | 0        | 2030.71 | 0        | 2054.33 | 0        |
| 1983.94 | 1.13e-21 | 2007.57 | 0        | 2031.19 | 0        | 2054.81 | 0        |
| 1984.42 | 1.18e-21 | 2008.05 | 0        | 2031.67 | 0        | 2055.30 | 0        |
| 1984.91 | 1.24e-21 | 2008.53 | 3.91e-22 | 2032.15 | 9.43e-23 | 2055.78 | 0        |
| 1985.39 | 1.26e-21 | 2009.01 | 9.37e-22 | 2032.64 | 0        | 2056.26 | 0        |
| 1985.87 | 1.43e-21 | 2009.49 | 1.17e-21 | 2033.12 | 0        | 2056.74 | 0        |
| 1986.35 | 1.4e-21  | 2009.98 | 3.04e-22 | 2033.60 | 0        | 2057.23 | 0        |
| 1986.83 | 1.13e-21 | 2010.46 | 0        | 2034.08 | 0        | 2057.71 | 1.47e-23 |
| 1987.32 | 9.7e-22  | 2010.94 | 2.08e-22 | 2034.57 | 0        | 2058.19 | 0        |
| 1987.80 | 1.48e-21 | 2011.42 | 0        | 2035.05 | 0        | 2058.67 | 0        |
| 1988.28 | 1.87e-21 | 2011.91 | 0        | 2035.53 | 0        | 2059.15 | 0        |
| 1988.76 | 1.15e-21 | 2012.39 | 0        | 2036.01 | 0        | 2059.64 | 0        |

|         |          |         |          |         |          |         |          |
|---------|----------|---------|----------|---------|----------|---------|----------|
| 2060.12 | 0        | 2083.74 | 4.18e-22 | 2107.37 | 7.67e-22 | 2130.99 | 9.17e-22 |
| 2060.60 | 0        | 2084.22 | 1.75e-22 | 2107.85 | 1.03e-21 | 2131.47 | 6.35e-22 |
| 2061.08 | 0        | 2084.71 | 1.65e-22 | 2108.33 | 9.39e-22 | 2131.95 | 4.69e-22 |
| 2061.56 | 0        | 2085.19 | 3.49e-22 | 2108.81 | 7.39e-22 | 2132.44 | 7.04e-22 |
| 2062.05 | 0        | 2085.67 | 3.45e-22 | 2109.29 | 3.04e-22 | 2132.92 | 9.46e-22 |
| 2062.53 | 0        | 2086.15 | 2.9e-22  | 2109.78 | 3.81e-22 | 2133.40 | 9.6e-22  |
| 2063.01 | 2.65e-22 | 2086.63 | 6.55e-22 | 2110.26 | 3.48e-22 | 2133.88 | 4.61e-22 |
| 2063.49 | 0        | 2087.12 | 9.51e-22 | 2110.74 | 1.17e-22 | 2134.37 | 1.86e-22 |
| 2063.97 | 6e-23    | 2087.60 | 6.56e-22 | 2111.22 | 2.28e-22 | 2134.85 | 4.82e-22 |
| 2064.46 | 4.25e-22 | 2088.08 | 1.39e-22 | 2111.71 | 7.84e-22 | 2135.33 | 5.76e-22 |
| 2064.94 | 6.55e-22 | 2088.56 | 5.77e-22 | 2112.19 | 8.48e-22 | 2135.81 | 4.96e-22 |
| 2065.42 | 2.33e-22 | 2089.05 | 1.06e-21 | 2112.67 | 2e-22    | 2136.29 | 7.39e-22 |
| 2065.90 | 0        | 2089.53 | 6.23e-22 | 2113.15 | 0        | 2136.78 | 8.33e-22 |
| 2066.39 | 1.64e-22 | 2090.01 | 3.1e-22  | 2113.63 | 4.52e-22 | 2137.26 | 7.92e-22 |
| 2066.87 | 1.3e-22  | 2090.49 | 5.15e-22 | 2114.12 | 8.03e-22 | 2137.74 | 9.24e-22 |
| 2067.35 | 1.54e-22 | 2090.97 | 5.86e-22 | 2114.60 | 0        | 2138.22 | 3.23e-22 |
| 2067.83 | 2.64e-22 | 2091.46 | 1.53e-22 | 2115.08 | 0        | 2138.70 | 0        |
| 2068.31 | 0        | 2091.94 | 4.62e-22 | 2115.56 | 6.69e-22 | 2139.19 | 2.24e-22 |
| 2068.80 | 0        | 2092.42 | 2.17e-22 | 2116.04 | 1.09e-21 | 2139.67 | 6.79e-22 |
| 2069.28 | 0        | 2092.90 | 4.78e-23 | 2116.53 | 1.02e-21 | 2140.15 | 2.81e-22 |
| 2069.76 | 0        | 2093.38 | 0        | 2117.01 | 7.24e-22 | 2140.63 | 2.91e-22 |
| 2070.24 | 5.04e-23 | 2093.87 | 5.9e-23  | 2117.49 | 2.13e-22 | 2141.11 | 2.34e-22 |
| 2070.72 | 9.06e-23 | 2094.35 | 0        | 2117.97 | 1.94e-22 | 2141.60 | 3.05e-22 |
| 2071.21 | 0        | 2094.83 | 0        | 2118.45 | 4.98e-22 | 2142.08 | 5.47e-22 |
| 2071.69 | 1.82e-22 | 2095.31 | 0        | 2118.94 | 3.48e-22 | 2142.56 | 5.21e-22 |
| 2072.17 | 6.14e-22 | 2095.80 | 1.75e-22 | 2119.42 | 3.06e-22 | 2143.04 | 3.15e-22 |
| 2072.65 | 4.32e-22 | 2096.28 | 2.34e-22 | 2119.90 | 4.06e-22 | 2143.53 | 0        |
| 2073.14 | 0        | 2096.76 | 5.87e-22 | 2120.38 | 7.41e-22 | 2144.01 | 0        |
| 2073.62 | 0        | 2097.24 | 7.69e-22 | 2120.87 | 7.52e-22 | 2144.49 | 5.14e-22 |
| 2074.10 | 0        | 2097.72 | 4.12e-22 | 2121.35 | 5.65e-22 | 2144.97 | 3.29e-22 |
| 2074.58 | 0        | 2098.21 | 2.61e-22 | 2121.83 | 4.65e-22 | 2145.45 | 1.09e-22 |
| 2075.06 | 0        | 2098.69 | 1.15e-22 | 2122.31 | 2.65e-23 | 2145.94 | 3.48e-22 |
| 2075.55 | 8.03e-22 | 2099.17 | 0        | 2122.79 | 2.13e-22 | 2146.42 | 0        |
| 2076.03 | 8.83e-22 | 2099.65 | 4.21e-22 | 2123.28 | 5.53e-22 | 2146.90 | 0        |
| 2076.51 | 7.11e-22 | 2100.13 | 2.19e-22 | 2123.76 | 6.58e-22 | 2147.38 | 0        |
| 2076.99 | 5.48e-22 | 2100.62 | 0        | 2124.24 | 8.61e-22 | 2147.86 | 5.24e-22 |
| 2077.47 | 1.34e-22 | 2101.10 | 1.45e-22 | 2124.72 | 5.41e-22 | 2148.35 | 8.63e-22 |
| 2077.96 | 4.55e-22 | 2101.58 | 2.57e-22 | 2125.20 | 1.8e-22  | 2148.83 | 0        |
| 2078.44 | 4.99e-22 | 2102.06 | 0        | 2125.69 | 2.18e-22 | 2149.31 | 0        |
| 2078.92 | 1.46e-22 | 2102.54 | 4.21e-22 | 2126.17 | 7.92e-22 | 2149.79 | 0        |
| 2079.40 | 3.64e-23 | 2103.03 | 1.36e-21 | 2126.65 | 9.96e-22 | 2150.28 | 0        |
| 2079.89 | 3.75e-22 | 2103.51 | 1.23e-21 | 2127.13 | 7.43e-22 | 2150.76 | 9.73e-24 |
| 2080.37 | 9.29e-22 | 2103.99 | 7.56e-22 | 2127.62 | 5.67e-22 | 2151.24 | 0        |
| 2080.85 | 6.8e-22  | 2104.47 | 5.63e-22 | 2128.10 | 7.6e-22  | 2151.72 | 1.72e-22 |
| 2081.33 | 2.76e-22 | 2104.96 | 2.01e-22 | 2128.58 | 1.1e-21  | 2152.20 | 4.76e-23 |
| 2081.81 | 2.74e-22 | 2105.44 | 0        | 2129.06 | 7.88e-22 | 2152.69 | 0        |
| 2082.30 | 1.56e-22 | 2105.92 | 0        | 2129.54 | 8.83e-22 | 2153.17 | 4.36e-24 |
| 2082.78 | 4.35e-22 | 2106.40 | 0        | 2130.03 | 8.86e-22 | 2153.65 | 2.15e-22 |
| 2083.26 | 6.52e-22 | 2106.88 | 2.78e-22 | 2130.51 | 1e-21    | 2154.13 | 2.92e-22 |

|         |          |         |          |         |           |         |          |
|---------|----------|---------|----------|---------|-----------|---------|----------|
| 2154.61 | 2.32e-22 | 2178.24 | 5.68e-22 | 2201.86 | 0         | 2225.49 | 1.33e-22 |
| 2155.10 | 0        | 2178.72 | 1.95e-23 | 2202.34 | 0         | 2225.97 | 2.21e-22 |
| 2155.58 | 0        | 2179.20 | 0        | 2202.83 | 3.05e-22  | 2226.45 | 3.21e-22 |
| 2156.06 | 4.67e-22 | 2179.68 | 0        | 2203.31 | 5.21e-22  | 2226.93 | 2.75e-22 |
| 2156.54 | 7.97e-22 | 2180.17 | 0        | 2203.79 | 1.84e-23  | 2227.42 | 1.93e-22 |
| 2157.02 | 2.8e-22  | 2180.65 | 5.87e-22 | 2204.27 | 4.1e-22   | 2227.90 | 0        |
| 2157.51 | 1.53e-22 | 2181.13 | 9.17e-22 | 2204.76 | 3.45e-22  | 2228.38 | 0        |
| 2157.99 | 7.39e-22 | 2181.61 | 1.19e-21 | 2205.24 | 0         | 2228.86 | 0        |
| 2158.47 | 8.16e-22 | 2182.10 | 1.4e-21  | 2205.72 | 0         | 2229.34 | 0        |
| 2158.95 | 1.92e-22 | 2182.58 | 1.09e-21 | 2206.20 | 0         | 2229.83 | 8.23e-23 |
| 2159.44 | 1.02e-22 | 2183.06 | 4.96e-22 | 2206.68 | 2.27e-23  | 2230.31 | 1.56e-22 |
| 2159.92 | 5.25e-22 | 2183.54 | 0        | 2207.17 | 5.3e-22   | 2230.79 | 0        |
| 2160.40 | 2.93e-22 | 2184.02 | 4.41e-22 | 2207.65 | 4.2e-22   | 2231.27 | 0        |
| 2160.88 | 1.01e-23 | 2184.51 | 5.78e-22 | 2208.13 | 1.1e-22   | 2231.75 | 2.74e-22 |
| 2161.36 | 5.09e-22 | 2184.99 | 2.54e-22 | 2208.61 | 3.53e-22  | 2232.24 | 1.29e-22 |
| 2161.85 | 9.3e-22  | 2185.47 | 0        | 2209.09 | 6.58e-22  | 2232.72 | 0        |
| 2162.33 | 4.88e-22 | 2185.95 | 0        | 2209.58 | 7.72e-22  | 2233.20 | 1.66e-22 |
| 2162.81 | 0        | 2186.43 | 0        | 2210.06 | 9.27e-22  | 2233.68 | 8.93e-22 |
| 2163.29 | 0        | 2186.92 | 2.25e-22 | 2210.54 | 9.36e-22  | 2234.16 | 7.04e-22 |
| 2163.77 | 2.22e-22 | 2187.40 | 4.01e-22 | 2211.02 | -2.09e-22 | 2234.65 | 3.1e-22  |
| 2164.26 | 1.53e-22 | 2187.88 | 4.46e-22 | 2211.50 | 0         | 2235.13 | 0        |
| 2164.74 | 0        | 2188.36 | 9.54e-23 | 2211.99 | 0         | 2235.61 | 2.55e-22 |
| 2165.22 | 2.05e-23 | 2188.84 | 0        | 2212.47 | 1.12e-22  | 2236.09 | 4.74e-22 |
| 2165.70 | 2.15e-22 | 2189.33 | 0        | 2212.95 | 4.57e-23  | 2236.58 | 0        |
| 2166.19 | 2.62e-22 | 2189.81 | 2.93e-22 | 2213.43 | 0         | 2237.06 | 0        |
| 2166.67 | 2.09e-22 | 2190.29 | 6.38e-22 | 2213.92 | 0         | 2237.54 | 2.16e-22 |
| 2167.15 | 3.61e-22 | 2190.77 | 7.59e-22 | 2214.40 | 3.99e-22  | 2238.02 | 0        |
| 2167.63 | 2.85e-22 | 2191.26 | 6.64e-22 | 2214.88 | 2.2e-22   | 2238.50 | 0        |
| 2168.11 | 2.71e-22 | 2191.74 | 5.37e-22 | 2215.36 | 0         | 2238.99 | 1.82e-22 |
| 2168.60 | 2.01e-22 | 2192.22 | 4.17e-22 | 2215.84 | 0         | 2239.47 | 5.02e-22 |
| 2169.08 | 2.76e-22 | 2192.70 | 4.29e-22 | 2216.33 | 0         | 2239.95 | 0        |
| 2169.56 | 1.07e-22 | 2193.18 | 4.1e-22  | 2216.81 | 1.18e-22  | 2240.43 | 0        |
| 2170.04 | 4.21e-22 | 2193.67 | 0        | 2217.29 | 0         | 2240.91 | 0        |
| 2170.52 | 3.7e-22  | 2194.15 | 0        | 2217.77 | 0         | 2241.40 | 0        |
| 2171.01 | 0        | 2194.63 | 0        | 2218.25 | 0         | 2241.88 | 0        |
| 2171.49 | 0        | 2195.11 | 0        | 2218.74 | 3.85e-22  | 2242.36 | 0        |
| 2171.97 | 3.35e-23 | 2195.59 | 0        | 2219.22 | 3.16e-22  | 2242.84 | 0        |
| 2172.45 | 1.76e-22 | 2196.08 | 0        | 2219.70 | 0         | 2243.33 | 1.54e-22 |
| 2172.94 | 0        | 2196.56 | 5.92e-22 | 2220.18 | 0         | 2243.81 | 1.75e-22 |
| 2173.42 | 3.47e-22 | 2197.04 | 1.07e-21 | 2220.67 | 3.99e-22  | 2244.29 | 0        |
| 2173.90 | 8.34e-22 | 2197.52 | 7.22e-22 | 2221.15 | 9.49e-23  | 2244.77 | 0        |
| 2174.38 | 5.59e-22 | 2198.01 | 0        | 2221.63 | 0         | 2245.25 | 0        |
| 2174.86 | 0        | 2198.49 | 1.24e-22 | 2222.11 | 2.72e-22  | 2245.74 | 0        |
| 2175.35 | 0        | 2198.97 | 6.25e-22 | 2222.59 | 0         | 2246.22 | 0        |
| 2175.83 | 2.61e-22 | 2199.45 | 4.55e-22 | 2223.08 | 0         | 2246.70 | 0        |
| 2176.31 | 2.74e-22 | 2199.93 | 3.07e-22 | 2223.56 | 2.25e-22  | 2247.18 | 4.59e-22 |
| 2176.79 | 0        | 2200.42 | 4.35e-22 | 2224.04 | 0         | 2247.66 | 2.8e-22  |
| 2177.27 | 1.16e-22 | 2200.90 | 4.88e-22 | 2224.52 | 0         | 2248.15 | 1.29e-22 |
| 2177.76 | 3.99e-22 | 2201.38 | 0        | 2225.00 | 0         | 2248.63 | 1.8e-22  |

|         |          |         |          |         |          |         |          |
|---------|----------|---------|----------|---------|----------|---------|----------|
| 2249.11 | 2.58e-22 | 2272.73 | 4.93e-22 | 2296.36 | 4.71e-22 | 2319.98 | 0        |
| 2249.59 | 7.4e-22  | 2273.22 | 2.14e-22 | 2296.84 | 3.81e-22 | 2320.47 | 0        |
| 2250.07 | 5.39e-22 | 2273.70 | 3.35e-23 | 2297.32 | 0        | 2320.95 | 6.04e-22 |
| 2250.56 | 0        | 2274.18 | 1.03e-23 | 2297.81 | 0        | 2321.43 | 7.19e-22 |
| 2251.04 | 0        | 2274.66 | 3.11e-22 | 2298.29 | 0        | 2321.91 | 5.45e-22 |
| 2251.52 | 0        | 2275.15 | 6.03e-23 | 2298.77 | 0        | 2322.39 | 5.71e-22 |
| 2252.00 | 0        | 2275.63 | 0        | 2299.25 | 4.65e-23 | 2322.88 | 7.97e-22 |
| 2252.49 | 0        | 2276.11 | 7.85e-24 | 2299.73 | 0        | 2323.36 | 4.21e-22 |
| 2252.97 | 1.01e-22 | 2276.59 | 0        | 2300.22 | 0        | 2323.84 | 0        |
| 2253.45 | 0        | 2277.07 | 0        | 2300.70 | 0        | 2324.32 | 0        |
| 2253.93 | 0        | 2277.56 | 0        | 2301.18 | 0        | 2324.80 | 0        |
| 2254.41 | 3.09e-22 | 2278.04 | 6.19e-23 | 2301.66 | 0        | 2325.29 | 0        |
| 2254.90 | 2.06e-22 | 2278.52 | 2.57e-22 | 2302.14 | 2.85e-22 | 2325.77 | 0        |
| 2255.38 | 1.95e-22 | 2279.00 | 1.04e-22 | 2302.63 | 1.87e-22 | 2326.25 | 0        |
| 2255.86 | 2.64e-22 | 2279.48 | 9.1e-23  | 2303.11 | 0        | 2326.73 | 0        |
| 2256.34 | 0        | 2279.97 | 0        | 2303.59 | 7.3e-23  | 2327.21 | 0        |
| 2256.82 | 0        | 2280.45 | 0        | 2304.07 | 0        | 2327.70 | 0        |
| 2257.31 | 0        | 2280.93 | 0        | 2304.55 | 0        | 2328.18 | 1.49e-22 |
| 2257.79 | 3.24e-22 | 2281.41 | 8.08e-23 | 2305.04 | 1.78e-23 | 2328.66 | 4.57e-22 |
| 2258.27 | 5.12e-22 | 2281.90 | 4.8e-22  | 2305.52 | 5.04e-23 | 2329.14 | 3.49e-22 |
| 2258.75 | 2.93e-22 | 2282.38 | 1.88e-22 | 2306.00 | 2.65e-22 | 2329.63 | 0        |
| 2259.24 | 2.89e-22 | 2282.86 | 0        | 2306.48 | 0        | 2330.11 | 0        |
| 2259.72 | 1.81e-22 | 2283.34 | 0        | 2306.97 | 0        | 2330.59 | 0        |
| 2260.20 | 2.5e-22  | 2283.82 | 0        | 2307.45 | 0        | 2331.07 | 0        |
| 2260.68 | 4.61e-22 | 2284.31 | 0        | 2307.93 | 0        | 2331.55 | 0        |
| 2261.16 | 2.9e-22  | 2284.79 | 0        | 2308.41 | 0        | 2332.04 | 4.55e-22 |
| 2261.65 | 0        | 2285.27 | 8.22e-23 | 2308.89 | 0        | 2332.52 | 4.23e-22 |
| 2262.13 | 1.71e-22 | 2285.75 | 1.14e-22 | 2309.38 | 2.93e-24 | 2333.00 | 0        |
| 2262.61 | 2.08e-22 | 2286.23 | 0        | 2309.86 | 4.65e-23 | 2333.48 | 0        |
| 2263.09 | 0        | 2286.72 | 0        | 2310.34 | 3.47e-22 | 2333.96 | 7.29e-22 |
| 2263.57 | 0        | 2287.20 | 0        | 2310.82 | 6.99e-22 | 2334.45 | 5.63e-22 |
| 2264.06 | 0        | 2287.68 | 0        | 2311.30 | 6.71e-22 | 2334.93 | 0        |
| 2264.54 | 1.2e-23  | 2288.16 | 4.1e-22  | 2311.79 | 2.87e-22 | 2335.41 | 0        |
| 2265.02 | 1.11e-22 | 2288.64 | 2.17e-22 | 2312.27 | 0        | 2335.89 | 0        |
| 2265.50 | 2.41e-22 | 2289.13 | 0        | 2312.75 | 2.03e-23 | 2336.38 | 0        |
| 2265.98 | 4.24e-22 | 2289.61 | 0        | 2313.23 | 1.2e-22  | 2336.86 | 0        |
| 2266.47 | 5.19e-22 | 2290.09 | 0        | 2313.72 | 0        | 2337.34 | 1.99e-22 |
| 2266.95 | 2.16e-22 | 2290.57 | 1.15e-22 | 2314.20 | 0        | 2337.82 | 6.77e-22 |
| 2267.43 | 0        | 2291.06 | 5.65e-23 | 2314.68 | 0        | 2338.30 | 0        |
| 2267.91 | 0        | 2291.54 | 0        | 2315.16 | 1.79e-23 | 2338.79 | 0        |
| 2268.40 | 0        | 2292.02 | 0        | 2315.64 | 0        | 2339.27 | 3.63e-22 |
| 2268.88 | 0        | 2292.50 | 0        | 2316.13 | 0        | 2339.75 | 0        |
| 2269.36 | 1.21e-22 | 2292.98 | 0        | 2316.61 | 0        | 2340.23 | 0        |
| 2269.84 | 1.77e-22 | 2293.47 | 0        | 2317.09 | 1.36e-22 | 2340.71 | 2.14e-22 |
| 2270.32 | 2.86e-22 | 2293.95 | 0        | 2317.57 | 1.3e-22  | 2341.20 | 5.18e-22 |
| 2270.81 | 1.92e-22 | 2294.43 | 4.31e-22 | 2318.05 | 3.16e-22 | 2341.68 | 0        |
| 2271.29 | 0        | 2294.91 | 3.75e-22 | 2318.54 | 1.42e-22 | 2342.16 | 2.28e-22 |
| 2271.77 | 0        | 2295.39 | 0        | 2319.02 | 1.74e-22 | 2342.64 | 5.79e-22 |
| 2272.25 | 5.29e-22 | 2295.88 | 4.22e-23 | 2319.50 | 3.76e-22 | 2343.12 | 1.68e-22 |

|         |          |         |          |         |          |         |          |
|---------|----------|---------|----------|---------|----------|---------|----------|
| 2343.61 | 0        | 2367.23 | 1.51e-22 | 2390.86 | 0        | 2414.48 | 1.27e-22 |
| 2344.09 | 2.7e-22  | 2367.71 | 4.74e-22 | 2391.34 | 0        | 2414.96 | 0        |
| 2344.57 | 4.11e-22 | 2368.20 | 2.67e-22 | 2391.82 | 0        | 2415.44 | 0        |
| 2345.05 | 0        | 2368.68 | 0        | 2392.30 | 0        | 2415.93 | 0        |
| 2345.54 | 0        | 2369.16 | 0        | 2392.78 | 3.22e-22 | 2416.41 | 0        |
| 2346.02 | 0        | 2369.64 | 0        | 2393.27 | 3.28e-22 | 2416.89 | 0        |
| 2346.50 | 0        | 2370.12 | 1.89e-22 | 2393.75 | 6.1e-22  | 2417.37 | 0        |
| 2346.98 | 0        | 2370.61 | 4.4e-23  | 2394.23 | 7.3e-22  | 2417.85 | 0        |
| 2347.46 | 0        | 2371.09 | 0        | 2394.71 | 3.99e-22 | 2418.34 | 0        |
| 2347.95 | 0        | 2371.57 | 0        | 2395.19 | 0        | 2418.82 | 4.22e-22 |
| 2348.43 | 0        | 2372.05 | 0        | 2395.68 | 0        | 2419.30 | 2.47e-22 |
| 2348.91 | 2.09e-22 | 2372.53 | 0        | 2396.16 | 0        | 2419.78 | 3.85e-22 |
| 2349.39 | 0        | 2373.02 | 0        | 2396.64 | 3.67e-22 | 2420.26 | 2.35e-22 |
| 2349.87 | 0        | 2373.50 | 0        | 2397.12 | 0        | 2420.75 | 3.14e-22 |
| 2350.36 | 7.67e-22 | 2373.98 | 0        | 2397.6  | 0        | 2421.23 | 2.72e-22 |
| 2350.84 | 5.41e-22 | 2374.46 | 0        | 2398.09 | 2.36e-22 | 2421.71 | 3.19e-23 |
| 2351.32 | 2.54e-22 | 2374.95 | 1.54e-22 | 2398.57 | 1.83e-22 | 2422.19 | 1.19e-23 |
| 2351.80 | 7.88e-23 | 2375.43 | 0        | 2399.05 | 0        | 2422.68 | 1.72e-22 |
| 2352.29 | 0        | 2375.91 | 0        | 2399.53 | 0        | 2423.16 | 7.55e-22 |
| 2352.77 | 0        | 2376.39 | 0        | 2400.02 | 4.94e-22 | 2423.64 | 8.09e-22 |
| 2353.25 | 4.4e-22  | 2376.87 | 0        | 2400.50 | 8.74e-22 | 2424.12 | 3.86e-22 |
| 2353.73 | 4.56e-22 | 2377.36 | 0        | 2400.98 | 1.24e-22 | 2424.60 | 9.56e-23 |
| 2354.21 | 1.23e-22 | 2377.84 | 0        | 2401.46 | 0        | 2425.09 | 5.31e-22 |
| 2354.70 | 0        | 2378.32 | 0        | 2401.94 | 0        | 2425.57 | 7.38e-22 |
| 2355.18 | 0        | 2378.80 | 0        | 2402.43 | 8.14e-23 | 2426.05 | 5.12e-22 |
| 2355.66 | 5.04e-23 | 2379.28 | 0        | 2402.91 | 2.1e-22  | 2426.53 | 0        |
| 2356.14 | 0        | 2379.77 | 1.38e-22 | 2403.39 | 3.28e-22 | 2427.01 | 0        |
| 2356.62 | 0        | 2380.25 | 5.81e-22 | 2403.87 | 1.97e-22 | 2427.50 | 0        |
| 2357.11 | 0        | 2380.73 | 0        | 2404.35 | 3.83e-22 | 2427.98 | 0        |
| 2357.59 | 0        | 2381.21 | 0        | 2404.84 | 3.18e-22 | 2428.46 | 0        |
| 2358.07 | 0        | 2381.69 | 6.52e-23 | 2405.32 | 3.97e-22 | 2428.94 | 0        |
| 2358.55 | 3.58e-22 | 2382.18 | 2.17e-22 | 2405.80 | 5.67e-22 | 2429.43 | 0        |
| 2359.03 | 5.25e-22 | 2382.66 | 3.3e-23  | 2406.28 | 4.17e-22 | 2429.91 | 5.99e-22 |
| 2359.52 | 4.1e-22  | 2383.14 | 0        | 2406.77 | 9.28e-23 | 2430.39 | 2.39e-22 |
| 2360.00 | 7.81e-22 | 2383.62 | 1.02e-22 | 2407.25 | 3.72e-22 | 2430.87 | 0        |
| 2360.48 | 0        | 2384.11 | 2.95e-23 | 2407.73 | 2.65e-22 | 2431.35 | 0        |
| 2360.96 | 0        | 2384.59 | 1.84e-23 | 2408.21 | 0        | 2431.84 | 0        |
| 2361.45 | 3.33e-22 | 2385.07 | 1.96e-22 | 2408.69 | 0        | 2432.32 | 0        |
| 2361.93 | 1.11e-22 | 2385.55 | 4.58e-22 | 2409.18 | 0        | 2432.80 | 0        |
| 2362.41 | 1.54e-22 | 2386.03 | 3.92e-22 | 2409.66 | 0        | 2433.28 | 1.36e-22 |
| 2362.89 | 4.62e-22 | 2386.52 | 0        | 2410.14 | 0        | 2433.76 | 1.91e-22 |
| 2363.37 | 9.45e-23 | 2387.00 | 0        | 2410.62 | 0        | 2434.25 | 7.3e-22  |
| 2363.86 | 4.96e-22 | 2387.48 | 0        | 2411.10 | 0        | 2434.73 | 6.46e-22 |
| 2364.34 | 9.7e-22  | 2387.96 | 0        | 2411.59 | 0        | 2435.21 | 0        |
| 2364.82 | 6.49e-22 | 2388.44 | 0        | 2412.07 | 0        | 2435.69 | 0        |
| 2365.30 | 5.72e-22 | 2388.93 | 3.64e-22 | 2412.55 | 0        | 2436.17 | 1.19e-22 |
| 2365.78 | 5.07e-22 | 2389.41 | 4.16e-23 | 2413.03 | 0        | 2436.66 | 6.67e-23 |
| 2366.27 | 7.34e-22 | 2389.89 | 0        | 2413.52 | 7.7e-23  | 2437.14 | 2.81e-22 |
| 2366.75 | 6.34e-22 | 2390.37 | 0        | 2414.00 | 4.61e-22 | 2437.62 | 0        |

|         |          |         |          |         |          |         |          |
|---------|----------|---------|----------|---------|----------|---------|----------|
| 2438.10 | 6.44e-23 | 2461.73 | 6.95e-22 | 2485.35 | 0        | 2508.98 | 0        |
| 2438.59 | 0        | 2462.21 | 6.91e-22 | 2485.83 | 0        | 2509.46 | 0        |
| 2439.07 | 0        | 2462.69 | 3.29e-22 | 2486.32 | 0        | 2509.94 | 0        |
| 2439.55 | 0        | 2463.17 | 1.3e-22  | 2486.80 | 3.81e-22 | 2510.42 | 0        |
| 2440.03 | 8.27e-23 | 2463.66 | 4.38e-22 | 2487.28 | 4.78e-22 | 2510.90 | 2.76e-22 |
| 2440.51 | 3.4e-22  | 2464.14 | 6.55e-22 | 2487.76 | 0        | 2511.39 | 4.7e-23  |
| 2441.00 | 4.04e-22 | 2464.62 | 3.4e-22  | 2488.24 | 0        | 2511.87 | 0        |
| 2441.48 | 1.28e-22 | 2465.10 | 0        | 2488.73 | 0        | 2512.35 | 0        |
| 2441.96 | 6.77e-23 | 2465.58 | 0        | 2489.21 | 2.19e-22 | 2512.83 | 0        |
| 2442.44 | 1.3e-22  | 2466.07 | 1.28e-22 | 2489.69 | 0        | 2513.31 | 0        |
| 2442.92 | 0        | 2466.55 | 1.71e-22 | 2490.17 | 0        | 2513.80 | 0        |
| 2443.41 | 0        | 2467.03 | 4.66e-22 | 2490.66 | 5.66e-23 | 2514.28 | 0        |
| 2443.89 | 6.72e-22 | 2467.51 | 3.36e-22 | 2491.14 | 1.51e-22 | 2514.76 | 0        |
| 2444.37 | 4.7e-22  | 2468.00 | 0        | 2491.62 | 0        | 2515.24 | 0        |
| 2444.85 | 3.36e-22 | 2468.48 | 0        | 2492.10 | 0        | 2515.73 | 0        |
| 2445.34 | 8.12e-22 | 2468.96 | 0        | 2492.58 | 0        | 2516.21 | 0        |
| 2445.82 | 3.83e-22 | 2469.44 | 5.04e-22 | 2493.07 | 0        | 2516.69 | 0        |
| 2446.30 | 0        | 2469.92 | 8.96e-22 | 2493.55 | 0        | 2517.17 | 0        |
| 2446.78 | 0        | 2470.41 | 1.12e-21 | 2494.03 | 0        | 2517.65 | 0        |
| 2447.26 | 9.32e-22 | 2470.89 | 7.87e-22 | 2494.51 | 0        | 2518.14 | 0        |
| 2447.75 | 1.17e-21 | 2471.37 | 0        | 2494.99 | 0        | 2518.62 | 3.87e-22 |
| 2448.23 | 8.35e-22 | 2471.85 | 0        | 2495.48 | 0        | 2519.10 | 7.67e-22 |
| 2448.71 | 3.99e-22 | 2472.33 | 1.84e-22 | 2495.96 | 0        | 2519.58 | 1.96e-22 |
| 2449.19 | 1.35e-22 | 2472.82 | 7.45e-22 | 2496.44 | 0        | 2520.06 | 0        |
| 2449.67 | 1.3e-22  | 2473.30 | 3.46e-22 | 2496.92 | 0        | 2520.55 | 0        |
| 2450.16 | 2.02e-22 | 2473.78 | 0        | 2497.40 | 0        | 2521.03 | 2.51e-22 |
| 2450.64 | 0        | 2474.26 | 0        | 2497.89 | 1.43e-22 | 2521.51 | 5.07e-22 |
| 2451.12 | 2.35e-22 | 2474.74 | 0        | 2498.37 | 0        | 2521.99 | 0        |
| 2451.60 | 6.65e-22 | 2475.23 | 0        | 2498.85 | 0        | 2522.48 | 4.33e-23 |
| 2452.08 | 6.31e-22 | 2475.71 | 0        | 2499.33 | 0        | 2522.96 | 5.45e-22 |
| 2452.57 | 2.62e-22 | 2476.19 | 0        | 2499.82 | 0        | 2523.44 | 1.75e-22 |
| 2453.05 | 3.87e-23 | 2476.67 | 1.69e-22 | 2500.30 | 0        | 2523.92 | 1.24e-23 |
| 2453.53 | 7.21e-23 | 2477.16 | 0        | 2500.78 | 7.74e-23 | 2524.40 | 2.86e-22 |
| 2454.01 | 0        | 2477.64 | 0        | 2501.26 | 5.29e-22 | 2524.89 | 0        |
| 2454.50 | 0        | 2478.12 | 1.81e-22 | 2501.74 | 5.47e-22 | 2525.37 | 0        |
| 2454.98 | 0        | 2478.60 | 1.72e-23 | 2502.23 | 0        | 2525.85 | 7.27e-23 |
| 2455.46 | 0        | 2479.08 | 0        | 2502.71 | 0        | 2526.33 | 0        |
| 2455.94 | 5.34e-22 | 2479.57 | 0        | 2503.19 | 2.1e-22  | 2526.81 | 0        |
| 2456.42 | 4.25e-22 | 2480.05 | 0        | 2503.67 | 0        | 2527.30 | 8.79e-24 |
| 2456.91 | 2.75e-22 | 2480.53 | 0        | 2504.15 | 0        | 2527.78 | 0        |
| 2457.39 | 2.86e-22 | 2481.01 | 0        | 2504.64 | 0        | 2528.26 | 0        |
| 2457.87 | 0        | 2481.49 | 0        | 2505.12 | 0        | 2528.74 | 6.09e-23 |
| 2458.35 | 0        | 2481.98 | 0        | 2505.60 | 0        | 2529.22 | 1.3e-23  |
| 2458.83 | 1.09e-22 | 2482.46 | 0        | 2506.08 | 0        | 2529.71 | 1.15e-22 |
| 2459.32 | 5.41e-22 | 2482.94 | 0        | 2506.56 | 0        | 2530.19 | 6.76e-23 |
| 2459.80 | 9.93e-22 | 2483.42 | 0        | 2507.05 | 0        | 2530.67 | 0        |
| 2460.28 | 5.45e-22 | 2483.91 | 0        | 2507.53 | 0        | 2531.15 | 0        |
| 2460.76 | 0        | 2484.39 | 0        | 2508.01 | 0        | 2531.64 | 0        |
| 2461.25 | 0        | 2484.87 | 0        | 2508.49 | 0        | 2532.12 | 2.36e-22 |

|         |          |         |          |         |          |         |          |
|---------|----------|---------|----------|---------|----------|---------|----------|
| 2532.60 | 9.94e-23 | 2556.22 | 0        | 2579.85 | 0        | 2603.47 | 0        |
| 2533.08 | 1.28e-22 | 2556.71 | 2.28e-22 | 2580.33 | 0        | 2603.95 | 3.64e-22 |
| 2533.56 | 2.2e-22  | 2557.19 | 1.72e-22 | 2580.81 | 0        | 2604.44 | 3.4e-22  |
| 2534.05 | 6.22e-22 | 2557.67 | 0        | 2581.29 | 0        | 2604.92 | 0        |
| 2534.53 | 4.04e-22 | 2558.15 | 1.84e-22 | 2581.78 | 0        | 2605.40 | 1.48e-22 |
| 2535.01 | 6.68e-23 | 2558.63 | 4.6e-22  | 2582.26 | 0        | 2605.88 | 1.96e-23 |
| 2535.49 | 1.48e-22 | 2559.12 | 3.71e-22 | 2582.74 | 3.42e-22 | 2606.36 | 0        |
| 2535.97 | 5.25e-22 | 2559.60 | 6.24e-22 | 2583.22 | 3.27e-22 | 2606.85 | 0        |
| 2536.46 | 7.78e-22 | 2560.08 | 5.64e-22 | 2583.70 | 0        | 2607.33 | 0        |
| 2536.94 | 6.79e-22 | 2560.56 | 1.71e-22 | 2584.19 | 0        | 2607.81 | 0        |
| 2537.42 | 7.88e-22 | 2561.05 | 1.45e-22 | 2584.67 | 0        | 2608.29 | 0        |
| 2537.90 | 8.53e-22 | 2561.53 | 4.7e-22  | 2585.15 | 1.19e-22 | 2608.78 | 0        |
| 2538.39 | 8.19e-22 | 2562.01 | 5.47e-22 | 2585.63 | 0        | 2609.26 | 0        |
| 2538.87 | 6.73e-22 | 2562.49 | 7.86e-22 | 2586.12 | 0        | 2609.74 | 0        |
| 2539.35 | 5.74e-22 | 2562.97 | 3.33e-22 | 2586.60 | 0        | 2610.22 | 0        |
| 2539.83 | 2.13e-22 | 2563.46 | 0        | 2587.08 | 0        | 2610.70 | 0        |
| 2540.31 | 0        | 2563.94 | 0        | 2587.56 | 0        | 2611.19 | 4.57e-23 |
| 2540.80 | 2.76e-22 | 2564.42 | 2.82e-22 | 2588.04 | 0        | 2611.67 | 0        |
| 2541.28 | 8.44e-23 | 2564.90 | 6.44e-22 | 2588.53 | 0        | 2612.15 | 0        |
| 2541.76 | 1.1e-22  | 2565.38 | 4.9e-22  | 2589.01 | 0        | 2612.63 | 0        |
| 2542.24 | 4.09e-22 | 2565.87 | 0        | 2589.49 | 0        | 2613.11 | 0        |
| 2542.72 | 7.9e-22  | 2566.35 | 0        | 2589.97 | 0        | 2613.60 | 0        |
| 2543.21 | 1.05e-21 | 2566.83 | 0        | 2590.45 | 0        | 2614.08 | 0        |
| 2543.69 | 9.7e-22  | 2567.31 | 2.75e-22 | 2590.94 | 0        | 2614.56 | 4.69e-22 |
| 2544.17 | 8.4e-22  | 2567.79 | 2.13e-22 | 2591.42 | 0        | 2615.04 | 5.18e-22 |
| 2544.65 | 9.06e-22 | 2568.28 | 2.67e-22 | 2591.90 | 0        | 2615.53 | 0        |
| 2545.14 | 7.75e-22 | 2568.76 | 1.73e-22 | 2592.38 | 0        | 2616.01 | 2.12e-22 |
| 2545.62 | 3.16e-22 | 2569.24 | 0        | 2592.87 | 0        | 2616.49 | 5.57e-22 |
| 2546.10 | 6.84e-22 | 2569.72 | 0        | 2593.35 | 0        | 2616.97 | 1.32e-22 |
| 2546.58 | 6.61e-22 | 2570.21 | 0        | 2593.83 | 0        | 2617.45 | 0        |
| 2547.06 | 5.84e-22 | 2570.69 | 3.92e-22 | 2594.31 | 0        | 2617.94 | 0        |
| 2547.55 | 7.24e-22 | 2571.17 | 5.97e-22 | 2594.79 | 0        | 2618.42 | 0        |
| 2548.03 | 9.79e-22 | 2571.65 | 0        | 2595.28 | 0        | 2618.90 | 2.3e-22  |
| 2548.51 | 1.13e-21 | 2572.13 | 0        | 2595.76 | 0        | 2619.38 | 0        |
| 2548.99 | 9.55e-22 | 2572.62 | 7.96e-23 | 2596.24 | 0        | 2619.86 | 0        |
| 2549.47 | 9.87e-22 | 2573.10 | 3.64e-22 | 2596.72 | 0        | 2620.35 | 0        |
| 2549.96 | 6.87e-22 | 2573.58 | 0        | 2597.20 | 0        | 2620.83 | 0        |
| 2550.44 | 2.97e-22 | 2574.06 | 0        | 2597.69 | 0        | 2621.31 | 0        |
| 2550.92 | 4.15e-22 | 2574.54 | 0        | 2598.17 | 0        | 2621.79 | 0        |
| 2551.40 | 3.97e-22 | 2575.03 | 0        | 2598.65 | 0        | 2622.27 | 0        |
| 2551.88 | 7.18e-22 | 2575.51 | 4.89e-22 | 2599.13 | 0        | 2622.76 | 0        |
| 2552.37 | 1.21e-21 | 2575.99 | 1.54e-22 | 2599.62 | 0        | 2623.24 | 0        |
| 2552.85 | 1.21e-21 | 2576.47 | 0        | 2600.10 | 0        | 2623.72 | 0        |
| 2553.33 | 1.13e-21 | 2576.96 | 0        | 2600.58 | 0        | 2624.20 | 0        |
| 2553.81 | 1.39e-21 | 2577.44 | 0        | 2601.06 | 0        | 2624.69 | 0        |
| 2554.30 | 1.27e-21 | 2577.92 | 0        | 2601.54 | 0        | 2625.17 | 0        |
| 2554.78 | 8.62e-22 | 2578.40 | 0        | 2602.03 | 0        | 2625.65 | 0        |
| 2555.26 | 1.42e-22 | 2578.88 | 0        | 2602.51 | 6.44e-23 | 2626.13 | 0        |
| 2555.74 | 0        | 2579.37 | 0        | 2602.99 | 3.18e-23 | 2626.61 | 0        |

|         |          |         |          |         |          |         |          |
|---------|----------|---------|----------|---------|----------|---------|----------|
| 2627.10 | 0        | 2650.72 | 0        | 2674.34 | 7.76e-22 | 2697.97 | 2.56e-21 |
| 2627.58 | 0        | 2651.20 | 0        | 2674.83 | 1.34e-21 | 2698.45 | 2.64e-21 |
| 2628.06 | 0        | 2651.68 | 0        | 2675.31 | 1.24e-21 | 2698.93 | 2.5e-21  |
| 2628.54 | 0        | 2652.17 | 0        | 2675.79 | 5.95e-22 | 2699.41 | 2.18e-21 |
| 2629.02 | 0        | 2652.65 | 0        | 2676.27 | 3.54e-22 | 2699.90 | 2.8e-21  |
| 2629.51 | 0        | 2653.13 | 0        | 2676.75 | 9.14e-22 | 2700.38 | 3.3e-21  |
| 2629.99 | 0        | 2653.61 | 0        | 2677.24 | 1.36e-21 | 2700.86 | 2.84e-21 |
| 2630.47 | 0        | 2654.09 | 0        | 2677.72 | 1.17e-21 | 2701.34 | 2.47e-21 |
| 2630.95 | 0        | 2654.58 | 0        | 2678.20 | 1.47e-21 | 2701.83 | 3.12e-21 |
| 2631.44 | 0        | 2655.06 | 5.03e-22 | 2678.68 | 1.49e-21 | 2702.31 | 3.42e-21 |
| 2631.92 | 0        | 2655.54 | 8.87e-22 | 2679.17 | 1.69e-21 | 2702.79 | 3.09e-21 |
| 2632.40 | 1.33e-22 | 2656.02 | 3.02e-22 | 2679.65 | 1.69e-21 | 2703.27 | 3.18e-21 |
| 2632.88 | 0        | 2656.51 | 0        | 2680.13 | 1.98e-21 | 2703.75 | 3.7e-21  |
| 2633.36 | 0        | 2656.99 | 2.09e-23 | 2680.61 | 2.66e-21 | 2704.24 | 3.84e-21 |
| 2633.85 | 0        | 2657.47 | 2.77e-22 | 2681.09 | 2.05e-21 | 2704.72 | 3.21e-21 |
| 2634.33 | 0        | 2657.95 | 7.75e-23 | 2681.58 | 1.52e-21 | 2705.20 | 3.01e-21 |
| 2634.81 | 0        | 2658.43 | 0        | 2682.06 | 1.56e-21 | 2705.68 | 3.37e-21 |
| 2635.29 | 0        | 2658.92 | 0        | 2682.54 | 2.13e-21 | 2706.16 | 3.35e-21 |
| 2635.77 | 0        | 2659.40 | 0        | 2683.02 | 2.99e-21 | 2706.65 | 3.69e-21 |
| 2636.26 | 0        | 2659.88 | 7.03e-24 | 2683.50 | 2.72e-21 | 2707.13 | 3.42e-21 |
| 2636.74 | 0        | 2660.36 | 0        | 2683.99 | 2e-21    | 2707.61 | 3.46e-21 |
| 2637.22 | 0        | 2660.84 | 2.07e-24 | 2684.47 | 1.55e-21 | 2708.09 | 3.04e-21 |
| 2637.70 | 0        | 2661.33 | 0        | 2684.95 | 2.07e-21 | 2708.58 | 2.99e-21 |
| 2638.19 | 0        | 2661.81 | 0        | 2685.43 | 2.31e-21 | 2709.06 | 2.75e-21 |
| 2638.67 | 0        | 2662.29 | 0        | 2685.92 | 2.02e-21 | 2709.54 | 2.77e-21 |
| 2639.15 | 0        | 2662.77 | 0        | 2686.40 | 2.01e-21 | 2710.02 | 2.47e-21 |
| 2639.63 | 0        | 2663.26 | 0        | 2686.88 | 1.62e-21 | 2710.50 | 2.56e-21 |
| 2640.11 | 1.44e-22 | 2663.74 | 0        | 2687.36 | 1.34e-21 | 2710.99 | 3.69e-21 |
| 2640.60 | 3.67e-22 | 2664.22 | 0        | 2687.84 | 2.02e-21 | 2711.47 | 3.48e-21 |
| 2641.08 | 0        | 2664.70 | 0        | 2688.33 | 3.03e-21 | 2711.95 | 2.73e-21 |
| 2641.56 | 1.04e-22 | 2665.18 | 6.44e-22 | 2688.81 | 2.96e-21 | 2712.43 | 3.68e-21 |
| 2642.04 | 1.85e-22 | 2665.67 | 6.04e-22 | 2689.29 | 2.99e-21 | 2712.91 | 4.26e-21 |
| 2642.52 | 0        | 2666.15 | 2.36e-22 | 2689.77 | 3.01e-21 | 2713.40 | 3.9e-21  |
| 2643.01 | 0        | 2666.63 | 2.94e-22 | 2690.25 | 2.42e-21 | 2713.88 | 3.76e-21 |
| 2643.49 | 0        | 2667.11 | 5.12e-22 | 2690.74 | 2.39e-21 | 2714.36 | 3.89e-21 |
| 2643.97 | 1.29e-23 | 2667.59 | 2.73e-22 | 2691.22 | 2.58e-21 | 2714.84 | 3.83e-21 |
| 2644.45 | 0        | 2668.08 | 0        | 2691.70 | 2.24e-21 | 2715.32 | 3.95e-21 |
| 2644.93 | 0        | 2668.56 | 9.54e-23 | 2692.18 | 1.7e-21  | 2715.81 | 4.45e-21 |
| 2645.42 | 0        | 2669.04 | 3.28e-22 | 2692.67 | 1.51e-21 | 2716.29 | 3.8e-21  |
| 2645.90 | 0        | 2669.52 | 3.7e-22  | 2693.15 | 1.81e-21 | 2716.77 | 3.45e-21 |
| 2646.38 | 0        | 2670.01 | 5.23e-22 | 2693.63 | 2.63e-21 | 2717.25 | 4.05e-21 |
| 2646.86 | 0        | 2670.49 | 3.32e-22 | 2694.11 | 2.87e-21 | 2717.74 | 4.56e-21 |
| 2647.35 | 1.62e-22 | 2670.97 | 7.42e-23 | 2694.59 | 2.76e-21 | 2718.22 | 4.37e-21 |
| 2647.83 | 1.06e-22 | 2671.45 | 5.28e-22 | 2695.08 | 3.19e-21 | 2718.70 | 4.71e-21 |
| 2648.31 | 0        | 2671.93 | 1.11e-21 | 2695.56 | 3.52e-21 | 2719.18 | 5.14e-21 |
| 2648.79 | 1.89e-23 | 2672.42 | 9.04e-22 | 2696.04 | 2.89e-21 | 2719.66 | 4.24e-21 |
| 2649.27 | 0        | 2672.90 | 5.6e-22  | 2696.52 | 2.7e-21  | 2720.15 | 3.84e-21 |
| 2649.76 | 0        | 2673.38 | 7.68e-22 | 2697.00 | 2.97e-21 | 2720.63 | 4.46e-21 |
| 2650.24 | 0        | 2673.86 | 5.2e-22  | 2697.49 | 2.83e-21 | 2721.11 | 4.45e-21 |



|         |          |         |          |         |          |         |          |
|---------|----------|---------|----------|---------|----------|---------|----------|
| 2721.59 | 4.22e-21 | 2745.22 | 6.45e-21 | 2768.84 | 4.71e-21 | 2792.46 | 6.2e-21  |
| 2722.07 | 3.54e-21 | 2745.70 | 6.65e-21 | 2769.32 | 4.95e-21 | 2792.95 | 5.97e-21 |
| 2722.56 | 3.62e-21 | 2746.18 | 6.63e-21 | 2769.80 | 5e-21    | 2793.43 | 5.33e-21 |
| 2723.04 | 4.04e-21 | 2746.66 | 6.55e-21 | 2770.29 | 4.83e-21 | 2793.91 | 5.17e-21 |
| 2723.52 | 4.82e-21 | 2747.15 | 6.73e-21 | 2770.77 | 4.37e-21 | 2794.39 | 5.33e-21 |
| 2724.00 | 4.77e-21 | 2747.63 | 6.86e-21 | 2771.25 | 3.92e-21 | 2794.88 | 5.2e-21  |
| 2724.49 | 4.48e-21 | 2748.11 | 6.64e-21 | 2771.73 | 3.55e-21 | 2795.36 | 5.12e-21 |
| 2724.97 | 4.57e-21 | 2748.59 | 6.79e-21 | 2772.22 | 3.86e-21 | 2795.84 | 5.33e-21 |
| 2725.45 | 5.11e-21 | 2749.07 | 7.24e-21 | 2772.70 | 4.07e-21 | 2796.32 | 5.78e-21 |
| 2725.93 | 5.49e-21 | 2749.56 | 7.51e-21 | 2773.18 | 3.71e-21 | 2796.80 | 5.75e-21 |
| 2726.41 | 5.55e-21 | 2750.04 | 7.61e-21 | 2773.66 | 4.35e-21 | 2797.29 | 5.47e-21 |
| 2726.90 | 5.51e-21 | 2750.52 | 7.22e-21 | 2774.14 | 4.84e-21 | 2797.77 | 4.99e-21 |
| 2727.38 | 5.62e-21 | 2751.00 | 6.99e-21 | 2774.63 | 4.9e-21  | 2798.25 | 4.93e-21 |
| 2727.86 | 5.61e-21 | 2751.48 | 7.08e-21 | 2775.11 | 4.76e-21 | 2798.73 | 5.68e-21 |
| 2728.34 | 5.66e-21 | 2751.97 | 6.92e-21 | 2775.59 | 5.01e-21 | 2799.21 | 5.73e-21 |
| 2728.82 | 5.17e-21 | 2752.45 | 6.68e-21 | 2776.07 | 5.08e-21 | 2799.70 | 5.47e-21 |
| 2729.31 | 4.55e-21 | 2752.93 | 7.03e-21 | 2776.55 | 4.55e-21 | 2800.18 | 5.54e-21 |
| 2729.79 | 4.94e-21 | 2753.41 | 7.49e-21 | 2777.04 | 4.32e-21 | 2800.66 | 5.41e-21 |
| 2730.27 | 5.65e-21 | 2753.89 | 7.25e-21 | 2777.52 | 4.12e-21 | 2801.14 | 5.36e-21 |
| 2730.75 | 5.7e-21  | 2754.38 | 6.51e-21 | 2778.00 | 3.85e-21 | 2801.63 | 5.2e-21  |
| 2731.23 | 5.43e-21 | 2754.86 | 5.83e-21 | 2778.48 | 3.87e-21 | 2802.11 | 5.49e-21 |
| 2731.72 | 6.19e-21 | 2755.34 | 5.17e-21 | 2778.97 | 3.9e-21  | 2802.59 | 6.11e-21 |
| 2732.20 | 5.92e-21 | 2755.82 | 5.24e-21 | 2779.45 | 4.63e-21 | 2803.07 | 5.59e-21 |
| 2732.68 | 5.81e-21 | 2756.31 | 5.77e-21 | 2779.93 | 5.1e-21  | 2803.55 | 5.17e-21 |
| 2733.16 | 6.23e-21 | 2756.79 | 5.92e-21 | 2780.41 | 4.64e-21 | 2804.04 | 5.01e-21 |
| 2733.65 | 6.23e-21 | 2757.27 | 6.45e-21 | 2780.89 | 4.67e-21 | 2804.52 | 4.78e-21 |
| 2734.13 | 6.38e-21 | 2757.75 | 6.3e-21  | 2781.38 | 4.79e-21 | 2805.00 | 5.18e-21 |
| 2734.61 | 6.62e-21 | 2758.23 | 6.34e-21 | 2781.86 | 4.65e-21 | 2805.48 | 5.68e-21 |
| 2735.09 | 6.69e-21 | 2758.72 | 6.16e-21 | 2782.34 | 4.65e-21 | 2805.96 | 6.43e-21 |
| 2735.57 | 6.67e-21 | 2759.20 | 5.72e-21 | 2782.82 | 4.62e-21 | 2806.45 | 7.15e-21 |
| 2736.06 | 7.06e-21 | 2759.68 | 6.01e-21 | 2783.30 | 4.9e-21  | 2806.93 | 6.75e-21 |
| 2736.54 | 7.22e-21 | 2760.16 | 5.97e-21 | 2783.79 | 4.82e-21 | 2807.41 | 5.75e-21 |
| 2737.02 | 6.99e-21 | 2760.64 | 5.76e-21 | 2784.27 | 4.62e-21 | 2807.89 | 4.92e-21 |
| 2737.50 | 6.85e-21 | 2761.13 | 6.3e-21  | 2784.75 | 4.38e-21 | 2808.37 | 5.24e-21 |
| 2737.98 | 6.79e-21 | 2761.61 | 5.85e-21 | 2785.23 | 4.2e-21  | 2808.86 | 5.21e-21 |
| 2738.47 | 6.56e-21 | 2762.09 | 5.39e-21 | 2785.72 | 4.99e-21 | 2809.34 | 5.03e-21 |
| 2738.95 | 6.2e-21  | 2762.57 | 5.63e-21 | 2786.20 | 5.47e-21 | 2809.82 | 5.38e-21 |
| 2739.43 | 5.8e-21  | 2763.06 | 5.27e-21 | 2786.68 | 5.17e-21 | 2810.30 | 5.19e-21 |
| 2739.91 | 5.49e-21 | 2763.54 | 5.44e-21 | 2787.16 | 4.6e-21  | 2810.79 | 4.87e-21 |
| 2740.40 | 6.08e-21 | 2764.02 | 5.39e-21 | 2787.64 | 4.65e-21 | 2811.27 | 5.19e-21 |
| 2740.88 | 6.39e-21 | 2764.50 | 5.33e-21 | 2788.13 | 4.71e-21 | 2811.75 | 5.32e-21 |
| 2741.36 | 6.85e-21 | 2764.98 | 5.23e-21 | 2788.61 | 4.57e-21 | 2812.23 | 5.5e-21  |
| 2741.84 | 7.09e-21 | 2765.47 | 4.93e-21 | 2789.09 | 4.32e-21 | 2812.71 | 5.4e-21  |
| 2742.32 | 6.75e-21 | 2765.95 | 4.95e-21 | 2789.57 | 4.48e-21 | 2813.20 | 5.17e-21 |
| 2742.81 | 6.24e-21 | 2766.43 | 5.18e-21 | 2790.05 | 5.52e-21 | 2813.68 | 5.83e-21 |
| 2743.29 | 6.15e-21 | 2766.91 | 5.25e-21 | 2790.54 | 5.97e-21 | 2814.16 | 5.64e-21 |
| 2743.77 | 6.33e-21 | 2767.39 | 4.9e-21  | 2791.02 | 5.29e-21 | 2814.64 | 5.83e-21 |
| 2744.25 | 6.27e-21 | 2767.88 | 4.75e-21 | 2791.50 | 4.98e-21 | 2815.12 | 6.31e-21 |
| 2744.73 | 6.36e-21 | 2768.36 | 4.56e-21 | 2791.98 | 5.65e-21 | 2815.61 | 6.43e-21 |

|         |          |         |          |         |          |         |          |
|---------|----------|---------|----------|---------|----------|---------|----------|
| 2816.09 | 5.86e-21 | 2839.71 | 9.9e-21  | 2863.34 | 4.65e-20 | 2886.96 | 8.3e-20  |
| 2816.57 | 5.46e-21 | 2840.20 | 9.99e-21 | 2863.82 | 4.33e-20 | 2887.44 | 8.18e-20 |
| 2817.05 | 5.73e-21 | 2840.68 | 9.78e-21 | 2864.30 | 4.13e-20 | 2887.93 | 8.19e-20 |
| 2817.54 | 5.87e-21 | 2841.16 | 1.03e-20 | 2864.78 | 4.08e-20 | 2888.41 | 8.08e-20 |
| 2818.02 | 5.38e-21 | 2841.64 | 1.12e-20 | 2865.27 | 4.11e-20 | 2888.89 | 7.8e-20  |
| 2818.50 | 5.38e-21 | 2842.12 | 1.14e-20 | 2865.75 | 4.21e-20 | 2889.37 | 7.58e-20 |
| 2818.98 | 5.39e-21 | 2842.61 | 1.17e-20 | 2866.23 | 4.19e-20 | 2889.85 | 7.52e-20 |
| 2819.46 | 5.38e-21 | 2843.09 | 1.21e-20 | 2866.71 | 4.16e-20 | 2890.34 | 7.5e-20  |
| 2819.95 | 5.46e-21 | 2843.57 | 1.2e-20  | 2867.19 | 4.18e-20 | 2890.82 | 7.51e-20 |
| 2820.43 | 5.88e-21 | 2844.05 | 1.2e-20  | 2867.68 | 4.19e-20 | 2891.30 | 7.45e-20 |
| 2820.91 | 6.68e-21 | 2844.53 | 1.24e-20 | 2868.16 | 4.23e-20 | 2891.78 | 7.47e-20 |
| 2821.39 | 6.64e-21 | 2845.02 | 1.31e-20 | 2868.64 | 4.27e-20 | 2892.26 | 7.62e-20 |
| 2821.87 | 6.15e-21 | 2845.50 | 1.37e-20 | 2869.12 | 4.39e-20 | 2892.75 | 7.67e-20 |
| 2822.36 | 6.22e-21 | 2845.98 | 1.55e-20 | 2869.60 | 4.54e-20 | 2893.23 | 7.63e-20 |
| 2822.84 | 6.36e-21 | 2846.46 | 1.67e-20 | 2870.09 | 4.61e-20 | 2893.71 | 7.65e-20 |
| 2823.32 | 6.16e-21 | 2846.94 | 1.68e-20 | 2870.57 | 4.66e-20 | 2894.19 | 7.68e-20 |
| 2823.80 | 6.84e-21 | 2847.43 | 1.7e-20  | 2871.05 | 4.72e-20 | 2894.68 | 7.75e-20 |
| 2824.28 | 7.07e-21 | 2847.91 | 1.78e-20 | 2871.53 | 4.78e-20 | 2895.16 | 7.8e-20  |
| 2824.77 | 6.5e-21  | 2848.39 | 1.81e-20 | 2872.02 | 4.75e-20 | 2895.64 | 8e-20    |
| 2825.25 | 6.13e-21 | 2848.87 | 1.78e-20 | 2872.50 | 4.75e-20 | 2896.12 | 8.41e-20 |
| 2825.73 | 6.45e-21 | 2849.36 | 1.82e-20 | 2872.98 | 4.87e-20 | 2896.60 | 8.58e-20 |
| 2826.21 | 6.85e-21 | 2849.84 | 1.99e-20 | 2873.46 | 5.1e-20  | 2897.09 | 8.32e-20 |
| 2826.70 | 6.74e-21 | 2850.32 | 2e-20    | 2873.94 | 5.24e-20 | 2897.57 | 8.15e-20 |
| 2827.18 | 6.18e-21 | 2850.80 | 1.95e-20 | 2874.43 | 5.32e-20 | 2898.05 | 7.95e-20 |
| 2827.66 | 5.72e-21 | 2851.28 | 2.01e-20 | 2874.91 | 5.38e-20 | 2898.53 | 7.75e-20 |
| 2828.14 | 6.11e-21 | 2851.77 | 2.07e-20 | 2875.39 | 5.5e-20  | 2899.01 | 7.53e-20 |
| 2828.62 | 5.6e-21  | 2852.25 | 2.09e-20 | 2875.87 | 5.62e-20 | 2899.50 | 7.34e-20 |
| 2829.11 | 5.82e-21 | 2852.73 | 2.17e-20 | 2876.35 | 5.75e-20 | 2899.98 | 7.08e-20 |
| 2829.59 | 6.43e-21 | 2853.21 | 2.21e-20 | 2876.84 | 5.87e-20 | 2900.46 | 6.78e-20 |
| 2830.07 | 6.03e-21 | 2853.69 | 2.24e-20 | 2877.32 | 5.99e-20 | 2900.94 | 6.68e-20 |
| 2830.55 | 6.13e-21 | 2854.18 | 2.28e-20 | 2877.80 | 6.16e-20 | 2901.42 | 6.79e-20 |
| 2831.03 | 6.95e-21 | 2854.66 | 2.29e-20 | 2878.28 | 6.24e-20 | 2901.91 | 7.08e-20 |
| 2831.52 | 7.68e-21 | 2855.14 | 2.37e-20 | 2878.77 | 6.26e-20 | 2902.39 | 7.39e-20 |
| 2832.00 | 8.03e-21 | 2855.62 | 2.49e-20 | 2879.25 | 6.33e-20 | 2902.87 | 7.62e-20 |
| 2832.48 | 8.41e-21 | 2856.11 | 2.49e-20 | 2879.73 | 6.44e-20 | 2903.35 | 7.62e-20 |
| 2832.96 | 8.2e-21  | 2856.59 | 2.51e-20 | 2880.21 | 6.52e-20 | 2903.84 | 7.47e-20 |
| 2833.45 | 8.02e-21 | 2857.07 | 2.6e-20  | 2880.69 | 6.52e-20 | 2904.32 | 7.42e-20 |
| 2833.93 | 7.85e-21 | 2857.55 | 2.67e-20 | 2881.18 | 6.55e-20 | 2904.80 | 7.35e-20 |
| 2834.41 | 7.81e-21 | 2858.03 | 2.68e-20 | 2881.66 | 6.49e-20 | 2905.28 | 7.3e-20  |
| 2834.89 | 8.03e-21 | 2858.52 | 2.69e-20 | 2882.14 | 6.37e-20 | 2905.76 | 7.33e-20 |
| 2835.37 | 7.99e-21 | 2859.00 | 2.77e-20 | 2882.62 | 6.36e-20 | 2906.25 | 7.37e-20 |
| 2835.86 | 8.03e-21 | 2859.48 | 2.87e-20 | 2883.10 | 6.52e-20 | 2906.73 | 7.33e-20 |
| 2836.34 | 8.44e-21 | 2859.96 | 3.01e-20 | 2883.59 | 6.98e-20 | 2907.21 | 7.35e-20 |
| 2836.82 | 8.41e-21 | 2860.44 | 3.16e-20 | 2884.07 | 7.52e-20 | 2907.69 | 7.41e-20 |
| 2837.30 | 8.58e-21 | 2860.93 | 3.37e-20 | 2884.55 | 7.87e-20 | 2908.17 | 7.43e-20 |
| 2837.78 | 8.5e-21  | 2861.41 | 3.66e-20 | 2885.03 | 8.01e-20 | 2908.66 | 7.44e-20 |
| 2838.27 | 8.49e-21 | 2861.89 | 4.01e-20 | 2885.51 | 8.08e-20 | 2909.14 | 7.5e-20  |
| 2838.75 | 9.01e-21 | 2862.37 | 4.42e-20 | 2886.00 | 8.24e-20 | 2909.62 | 7.52e-20 |
| 2839.23 | 9.38e-21 | 2862.85 | 4.7e-20  | 2886.48 | 8.42e-20 | 2910.10 | 7.49e-20 |

|         |          |         |          |         |          |         |          |
|---------|----------|---------|----------|---------|----------|---------|----------|
| 2910.59 | 7.53e-20 | 2934.21 | 8.06e-20 | 2957.83 | 1.81e-19 | 2981.46 | 2.35e-19 |
| 2911.07 | 7.57e-20 | 2934.69 | 8.18e-20 | 2958.32 | 1.85e-19 | 2981.94 | 2.89e-19 |
| 2911.55 | 7.49e-20 | 2935.17 | 8.33e-20 | 2958.80 | 1.79e-19 | 2982.42 | 3.13e-19 |
| 2912.03 | 7.41e-20 | 2935.66 | 8.38e-20 | 2959.28 | 1.71e-19 | 2982.90 | 2.43e-19 |
| 2912.51 | 7.45e-20 | 2936.14 | 8.37e-20 | 2959.76 | 1.67e-19 | 2983.39 | 1.7e-19  |
| 2913.00 | 7.54e-20 | 2936.62 | 8.47e-20 | 2960.24 | 1.66e-19 | 2983.87 | 1.42e-19 |
| 2913.48 | 7.66e-20 | 2937.10 | 8.57e-20 | 2960.73 | 1.65e-19 | 2984.35 | 1.33e-19 |
| 2913.96 | 7.59e-20 | 2937.58 | 8.65e-20 | 2961.21 | 1.64e-19 | 2984.83 | 1.3e-19  |
| 2914.44 | 7.43e-20 | 2938.07 | 8.71e-20 | 2961.69 | 1.63e-19 | 2985.31 | 1.28e-19 |
| 2914.92 | 7.4e-20  | 2938.55 | 8.77e-20 | 2962.17 | 1.62e-19 | 2985.80 | 1.26e-19 |
| 2915.41 | 7.44e-20 | 2939.03 | 8.97e-20 | 2962.65 | 1.6e-19  | 2986.28 | 1.24e-19 |
| 2915.89 | 7.45e-20 | 2939.51 | 9.17e-20 | 2963.14 | 1.59e-19 | 2986.76 | 1.23e-19 |
| 2916.37 | 7.46e-20 | 2939.99 | 9.25e-20 | 2963.62 | 1.58e-19 | 2987.24 | 1.22e-19 |
| 2916.85 | 7.49e-20 | 2940.48 | 9.36e-20 | 2964.10 | 1.57e-19 | 2987.73 | 1.23e-19 |
| 2917.33 | 7.49e-20 | 2940.96 | 9.51e-20 | 2964.58 | 1.55e-19 | 2988.21 | 1.23e-19 |
| 2917.82 | 7.44e-20 | 2941.44 | 9.61e-20 | 2965.07 | 1.57e-19 | 2988.69 | 1.21e-19 |
| 2918.30 | 7.42e-20 | 2941.92 | 9.82e-20 | 2965.55 | 1.6e-19  | 2989.17 | 1.18e-19 |
| 2918.78 | 7.39e-20 | 2942.41 | 1e-19    | 2966.03 | 1.61e-19 | 2989.65 | 1.16e-19 |
| 2919.26 | 7.37e-20 | 2942.89 | 1.03e-19 | 2966.51 | 1.62e-19 | 2990.14 | 1.14e-19 |
| 2919.75 | 7.57e-20 | 2943.37 | 1.05e-19 | 2966.99 | 1.65e-19 | 2990.62 | 1.12e-19 |
| 2920.23 | 7.96e-20 | 2943.85 | 1.07e-19 | 2967.48 | 1.7e-19  | 2991.10 | 1.09e-19 |
| 2920.71 | 7.73e-20 | 2944.33 | 1.09e-19 | 2967.96 | 1.78e-19 | 2991.58 | 1.06e-19 |
| 2921.19 | 7.29e-20 | 2944.82 | 1.1e-19  | 2968.44 | 1.86e-19 | 2992.06 | 1.03e-19 |
| 2921.67 | 7.16e-20 | 2945.30 | 1.12e-19 | 2968.92 | 1.91e-19 | 2992.55 | 1.02e-19 |
| 2922.16 | 7.15e-20 | 2945.78 | 1.15e-19 | 2969.40 | 1.94e-19 | 2993.03 | 9.91e-20 |
| 2922.64 | 7.32e-20 | 2946.26 | 1.18e-19 | 2969.89 | 1.96e-19 | 2993.51 | 9.64e-20 |
| 2923.12 | 7.46e-20 | 2946.74 | 1.2e-19  | 2970.37 | 1.96e-19 | 2993.99 | 9.36e-20 |
| 2923.60 | 7.65e-20 | 2947.23 | 1.23e-19 | 2970.85 | 1.98e-19 | 2994.47 | 9.13e-20 |
| 2924.08 | 8.03e-20 | 2947.71 | 1.25e-19 | 2971.33 | 2.01e-19 | 2994.96 | 8.98e-20 |
| 2924.57 | 8.27e-20 | 2948.19 | 1.27e-19 | 2971.81 | 2.03e-19 | 2995.44 | 8.71e-20 |
| 2925.05 | 8.01e-20 | 2948.67 | 1.29e-19 | 2972.30 | 2.02e-19 | 2995.92 | 8.41e-20 |
| 2925.53 | 7.62e-20 | 2949.16 | 1.3e-19  | 2972.78 | 2.01e-19 | 2996.40 | 8.28e-20 |
| 2926.01 | 7.41e-20 | 2949.64 | 1.32e-19 | 2973.26 | 1.99e-19 | 2996.89 | 8.13e-20 |
| 2926.50 | 7.5e-20  | 2950.12 | 1.35e-19 | 2973.74 | 1.96e-19 | 2997.37 | 7.86e-20 |
| 2926.98 | 7.83e-20 | 2950.60 | 1.38e-19 | 2974.23 | 1.93e-19 | 2997.85 | 7.61e-20 |
| 2927.46 | 8.45e-20 | 2951.08 | 1.41e-19 | 2974.71 | 1.91e-19 | 2998.33 | 7.48e-20 |
| 2927.94 | 9.44e-20 | 2951.57 | 1.43e-19 | 2975.19 | 1.89e-19 | 2998.81 | 7.26e-20 |
| 2928.42 | 1.05e-19 | 2952.05 | 1.44e-19 | 2975.67 | 1.86e-19 | 2999.30 | 6.99e-20 |
| 2928.91 | 1.14e-19 | 2952.53 | 1.46e-19 | 2976.15 | 1.85e-19 | 2999.78 | 6.67e-20 |
| 2929.39 | 1.19e-19 | 2953.01 | 1.49e-19 | 2976.64 | 1.83e-19 | 3000.26 | 6.44e-20 |
| 2929.87 | 1.06e-19 | 2953.49 | 1.52e-19 | 2977.12 | 1.81e-19 | 3000.74 | 6.29e-20 |
| 2930.35 | 9.26e-20 | 2953.98 | 1.53e-19 | 2977.60 | 1.79e-19 | 3001.22 | 6.16e-20 |
| 2930.83 | 8.83e-20 | 2954.46 | 1.55e-19 | 2978.08 | 1.75e-19 | 3001.71 | 5.9e-20  |
| 2931.32 | 8.26e-20 | 2954.94 | 1.57e-19 | 2978.56 | 1.69e-19 | 3002.19 | 5.61e-20 |
| 2931.80 | 7.96e-20 | 2955.42 | 1.59e-19 | 2979.05 | 1.66e-19 | 3002.67 | 5.44e-20 |
| 2932.28 | 7.91e-20 | 2955.91 | 1.62e-19 | 2979.53 | 1.66e-19 | 3003.15 | 5.35e-20 |
| 2932.76 | 7.88e-20 | 2956.39 | 1.65e-19 | 2980.01 | 1.7e-19  | 3003.64 | 5.19e-20 |
| 2933.25 | 7.84e-20 | 2956.87 | 1.7e-19  | 2980.49 | 1.8e-19  | 3004.12 | 5.03e-20 |
| 2933.73 | 7.91e-20 | 2957.35 | 1.74e-19 | 2980.98 | 2.01e-19 | 3004.60 | 4.85e-20 |

|         |          |         |          |         |          |         |          |
|---------|----------|---------|----------|---------|----------|---------|----------|
| 3005.08 | 4.75e-20 | 3028.71 | 6.14e-21 | 3052.33 | 1.75e-21 | 3075.95 | 1.06e-21 |
| 3005.56 | 4.85e-20 | 3029.19 | 5.86e-21 | 3052.81 | 1.75e-21 | 3076.44 | 1.3e-21  |
| 3006.05 | 5.13e-20 | 3029.67 | 6.33e-21 | 3053.29 | 2.16e-21 | 3076.92 | 1.82e-21 |
| 3006.53 | 4.88e-20 | 3030.15 | 5.5e-21  | 3053.78 | 1.25e-21 | 3077.40 | 1.59e-21 |
| 3007.01 | 4.15e-20 | 3030.63 | 4.67e-21 | 3054.26 | 9.65e-22 | 3077.88 | 1.16e-21 |
| 3007.49 | 3.85e-20 | 3031.12 | 4.52e-21 | 3054.74 | 1.33e-21 | 3078.36 | 1.34e-21 |
| 3007.97 | 3.65e-20 | 3031.60 | 4.28e-21 | 3055.22 | 1e-21    | 3078.85 | 7.61e-22 |
| 3008.46 | 3.4e-20  | 3032.08 | 4.37e-21 | 3055.70 | 8.72e-22 | 3079.33 | 7.19e-22 |
| 3008.94 | 3.27e-20 | 3032.56 | 5.2e-21  | 3056.19 | 1.65e-21 | 3079.81 | 1.84e-21 |
| 3009.42 | 3.24e-20 | 3033.04 | 5e-21    | 3056.67 | 1.83e-21 | 3080.29 | 2.11e-21 |
| 3009.90 | 3.15e-20 | 3033.53 | 4.43e-21 | 3057.15 | 1.63e-21 | 3080.78 | 1.83e-21 |
| 3010.39 | 2.98e-20 | 3034.01 | 4.88e-21 | 3057.63 | 1.7e-21  | 3081.26 | 2.33e-21 |
| 3010.87 | 2.78e-20 | 3034.49 | 4.84e-21 | 3058.12 | 7.81e-22 | 3081.74 | 2.38e-21 |
| 3011.35 | 2.74e-20 | 3034.97 | 4.26e-21 | 3058.60 | 4.43e-22 | 3082.22 | 2.15e-21 |
| 3011.83 | 2.71e-20 | 3035.46 | 4.35e-21 | 3059.08 | 8.6e-22  | 3082.70 | 2.54e-21 |
| 3012.31 | 2.57e-20 | 3035.94 | 4.99e-21 | 3059.56 | 1.8e-21  | 3083.19 | 3.2e-21  |
| 3012.80 | 2.44e-20 | 3036.42 | 4.33e-21 | 3060.04 | 1.74e-21 | 3083.67 | 2.85e-21 |
| 3013.28 | 2.36e-20 | 3036.90 | 4.37e-21 | 3060.53 | 1.52e-21 | 3084.15 | 1.74e-21 |
| 3013.76 | 2.24e-20 | 3037.38 | 5.2e-21  | 3061.01 | 1.52e-21 | 3084.63 | 1.59e-21 |
| 3014.24 | 2.13e-20 | 3037.87 | 4.43e-21 | 3061.49 | 1.62e-21 | 3085.11 | 2.22e-21 |
| 3014.72 | 2.06e-20 | 3038.35 | 3.48e-21 | 3061.97 | 1.93e-21 | 3085.60 | 2.47e-21 |
| 3015.21 | 1.94e-20 | 3038.83 | 3.79e-21 | 3062.45 | 2.13e-21 | 3086.08 | 2.23e-21 |
| 3015.69 | 1.81e-20 | 3039.31 | 4.17e-21 | 3062.94 | 1.82e-21 | 3086.56 | 2.02e-21 |
| 3016.17 | 1.76e-20 | 3039.79 | 3.78e-21 | 3063.42 | 1.73e-21 | 3087.04 | 1.6e-21  |
| 3016.65 | 1.71e-20 | 3040.28 | 3.29e-21 | 3063.90 | 2.36e-21 | 3087.52 | 2.42e-21 |
| 3017.13 | 1.61e-20 | 3040.76 | 3.4e-21  | 3064.38 | 4.45e-21 | 3088.01 | 2.5e-21  |
| 3017.62 | 1.52e-20 | 3041.24 | 3.07e-21 | 3064.87 | 1.05e-20 | 3088.49 | 1.5e-21  |
| 3018.10 | 1.45e-20 | 3041.72 | 2.5e-21  | 3065.35 | 3.07e-20 | 3088.97 | 2.34e-21 |
| 3018.58 | 1.36e-20 | 3042.21 | 2.85e-21 | 3065.83 | 4.5e-20  | 3089.45 | 2.7e-21  |
| 3019.06 | 1.3e-20  | 3042.69 | 3.04e-21 | 3066.31 | 2.09e-20 | 3089.94 | 2.22e-21 |
| 3019.55 | 1.3e-20  | 3043.17 | 2.89e-21 | 3066.79 | 3.72e-21 | 3090.42 | 2.47e-21 |
| 3020.03 | 1.3e-20  | 3043.65 | 3.18e-21 | 3067.28 | 2.78e-21 | 3090.90 | 2.82e-21 |
| 3020.51 | 1.23e-20 | 3044.13 | 2.9e-21  | 3067.76 | 2.51e-21 | 3091.38 | 2.34e-21 |
| 3020.99 | 1.14e-20 | 3044.62 | 1.75e-21 | 3068.24 | 1.43e-21 | 3091.86 | 1.45e-21 |
| 3021.47 | 1.12e-20 | 3045.10 | 1.73e-21 | 3068.72 | 8.45e-22 | 3092.35 | 1.92e-21 |
| 3021.96 | 1.13e-20 | 3045.58 | 2.29e-21 | 3069.20 | 1.16e-21 | 3092.83 | 1.99e-21 |
| 3022.44 | 1.01e-20 | 3046.06 | 1.92e-21 | 3069.69 | 1.57e-21 | 3093.31 | 2.06e-21 |
| 3022.92 | 9.6e-21  | 3046.54 | 2.49e-21 | 3070.17 | 1.19e-21 | 3093.79 | 2.11e-21 |
| 3023.40 | 9.15e-21 | 3047.03 | 3.23e-21 | 3070.65 | 6.18e-22 | 3094.27 | 1.58e-21 |
| 3023.88 | 8.85e-21 | 3047.51 | 2.25e-21 | 3071.13 | 1.17e-21 | 3094.76 | 1.59e-21 |
| 3024.37 | 8.92e-21 | 3047.99 | 1.33e-21 | 3071.61 | 1.63e-21 | 3095.24 | 2.51e-21 |
| 3024.85 | 8.82e-21 | 3048.47 | 2.08e-21 | 3072.10 | 1.95e-21 | 3095.72 | 2.64e-21 |
| 3025.33 | 7.86e-21 | 3048.95 | 2.35e-21 | 3072.58 | 1.52e-21 | 3096.20 | 1.64e-21 |
| 3025.81 | 6.9e-21  | 3049.44 | 1.98e-21 | 3073.06 | 1.08e-21 | 3096.69 | 1.96e-21 |
| 3026.30 | 7.14e-21 | 3049.92 | 2.13e-21 | 3073.54 | 4.12e-22 | 3097.17 | 2.62e-21 |
| 3026.78 | 7.17e-21 | 3050.40 | 2.26e-21 | 3074.03 | 4.35e-22 | 3097.65 | 2.24e-21 |
| 3027.26 | 7.32e-21 | 3050.88 | 1.64e-21 | 3074.51 | 3.93e-22 | 3098.13 | 1.98e-21 |
| 3027.74 | 7.42e-21 | 3051.37 | 2.05e-21 | 3074.99 | 5.67e-22 | 3098.61 | 1.93e-21 |
| 3028.22 | 7.26e-21 | 3051.85 | 2.42e-21 | 3075.47 | 1.21e-21 | 3099.10 | 2.01e-21 |

|         |          |         |          |         |          |         |          |
|---------|----------|---------|----------|---------|----------|---------|----------|
| 3099.58 | 2.3e-21  | 3123.20 | 1.84e-21 | 3146.83 | 8.22e-22 | 3170.45 | 2.86e-22 |
| 3100.06 | 2.13e-21 | 3123.68 | 9.46e-22 | 3147.31 | 0        | 3170.93 | 4.42e-22 |
| 3100.54 | 2.06e-21 | 3124.17 | 5.52e-22 | 3147.79 | 0        | 3171.41 | 8.05e-22 |
| 3101.02 | 2.36e-21 | 3124.65 | 4.91e-22 | 3148.27 | 6.78e-22 | 3171.90 | 5.41e-24 |
| 3101.51 | 2.19e-21 | 3125.13 | 0        | 3148.75 | 1e-21    | 3172.38 | 0        |
| 3101.99 | 1.42e-21 | 3125.61 | 1.71e-22 | 3149.24 | 1.01e-21 | 3172.86 | 0        |
| 3102.47 | 1.67e-21 | 3126.09 | 6.59e-22 | 3149.72 | 4.12e-22 | 3173.34 | 0        |
| 3102.95 | 2.56e-21 | 3126.58 | 1.07e-22 | 3150.20 | 1.12e-22 | 3173.83 | 0        |
| 3103.44 | 2.65e-21 | 3127.06 | 4.06e-22 | 3150.68 | 9.13e-22 | 3174.31 | 6.41e-22 |
| 3103.92 | 2.2e-21  | 3127.54 | 7.94e-22 | 3151.17 | 7.91e-22 | 3174.79 | 9.9e-22  |
| 3104.40 | 1.57e-21 | 3128.02 | 1.42e-22 | 3151.65 | 1.09e-22 | 3175.27 | 4.55e-22 |
| 3104.88 | 1.65e-21 | 3128.51 | 9.21e-23 | 3152.13 | 0        | 3175.75 | 0        |
| 3105.36 | 1.67e-21 | 3128.99 | 1.73e-22 | 3152.61 | 0        | 3176.24 | 2.33e-22 |
| 3105.85 | 1.9e-21  | 3129.47 | 8.88e-23 | 3153.09 | 0        | 3176.72 | 4.91e-22 |
| 3106.33 | 2.26e-21 | 3129.95 | 4.92e-22 | 3153.58 | 0        | 3177.20 | 5.28e-22 |
| 3106.81 | 2.29e-21 | 3130.43 | 2.77e-22 | 3154.06 | 0        | 3177.68 | 6.75e-22 |
| 3107.29 | 1.85e-21 | 3130.92 | 1.25e-22 | 3154.54 | 0        | 3178.16 | 1.03e-21 |
| 3107.77 | 1.6e-21  | 3131.40 | 5.86e-22 | 3155.02 | 0        | 3178.65 | 1.43e-21 |
| 3108.26 | 1.91e-21 | 3131.88 | 7.57e-22 | 3155.50 | 1.04e-21 | 3179.13 | 9.56e-22 |
| 3108.74 | 2.75e-21 | 3132.36 | 8.88e-22 | 3155.99 | 9.35e-22 | 3179.61 | 1.06e-21 |
| 3109.22 | 2.67e-21 | 3132.84 | 8.06e-22 | 3156.47 | 0        | 3180.09 | 1.28e-21 |
| 3109.70 | 1.66e-21 | 3133.33 | 5.03e-22 | 3156.95 | 2.59e-22 | 3180.57 | 1.22e-21 |
| 3110.18 | 1.14e-21 | 3133.81 | 9.08e-22 | 3157.43 | 2.8e-22  | 3181.06 | 8.97e-22 |
| 3110.67 | 8.8e-22  | 3134.29 | 1.55e-21 | 3157.92 | 0        | 3181.54 | 2.56e-22 |
| 3111.15 | 1.23e-21 | 3134.77 | 1.4e-21  | 3158.40 | 0        | 3182.02 | 2.68e-22 |
| 3111.63 | 1.39e-21 | 3135.26 | 8.22e-22 | 3158.88 | 0        | 3182.50 | 7.01e-22 |
| 3112.11 | 1.43e-21 | 3135.74 | 9.04e-22 | 3159.36 | 1.87e-22 | 3182.99 | 1.48e-21 |
| 3112.60 | 1.3e-21  | 3136.22 | 1.11e-21 | 3159.84 | 7.85e-22 | 3183.47 | 7.02e-22 |
| 3113.08 | 1.24e-21 | 3136.70 | 6.46e-22 | 3160.33 | 1.02e-21 | 3183.95 | 0        |
| 3113.56 | 1.75e-21 | 3137.18 | 7.55e-24 | 3160.81 | 6.06e-22 | 3184.43 | 2.86e-22 |
| 3114.04 | 2.33e-21 | 3137.67 | 8.84e-23 | 3161.29 | 3.45e-22 | 3184.91 | 8.09e-22 |
| 3114.52 | 2.03e-21 | 3138.15 | 3.76e-22 | 3161.77 | 2.2e-22  | 3185.40 | 5.89e-22 |
| 3115.01 | 1.33e-21 | 3138.63 | 3.1e-22  | 3162.25 | 6e-22    | 3185.88 | 4.85e-22 |
| 3115.49 | 1.14e-21 | 3139.11 | 5.44e-22 | 3162.74 | 8.13e-22 | 3186.36 | 3.5e-22  |
| 3115.97 | 8.45e-22 | 3139.59 | 5.05e-22 | 3163.22 | 5.13e-22 | 3186.84 | 0        |
| 3116.45 | 1.12e-21 | 3140.08 | 5.15e-22 | 3163.70 | 0        | 3187.32 | 0        |
| 3116.93 | 1.25e-21 | 3140.56 | 9.53e-22 | 3164.18 | 8.72e-23 | 3187.81 | 0        |
| 3117.42 | 1.55e-21 | 3141.04 | 8.55e-22 | 3164.66 | 9.36e-22 | 3188.29 | 0        |
| 3117.90 | 1.68e-21 | 3141.52 | 8.76e-22 | 3165.15 | 1.32e-21 | 3188.77 | 1.16e-23 |
| 3118.38 | 1.71e-21 | 3142.00 | 9.41e-22 | 3165.63 | 6.14e-22 | 3189.25 | 3.59e-22 |
| 3118.86 | 1.28e-21 | 3142.49 | 3.25e-22 | 3166.11 | 0        | 3189.74 | 1.49e-22 |
| 3119.34 | 9.39e-22 | 3142.97 | 0        | 3166.59 | 0        | 3190.22 | 2.64e-22 |
| 3119.83 | 1.25e-21 | 3143.45 | 0        | 3167.08 | 6.02e-23 | 3190.70 | 4.26e-22 |
| 3120.31 | 1.45e-21 | 3143.93 | 1.4e-22  | 3167.56 | 3.87e-22 | 3191.18 | 4.63e-22 |
| 3120.79 | 1.44e-21 | 3144.42 | 5.34e-22 | 3168.04 | 8.74e-23 | 3191.66 | 7.78e-22 |
| 3121.27 | 1.58e-21 | 3144.90 | 1.67e-22 | 3168.52 | 5.44e-22 | 3192.15 | 6.85e-22 |
| 3121.76 | 1.21e-21 | 3145.38 | 7.33e-22 | 3169.00 | 4.05e-22 | 3192.63 | 7.33e-22 |
| 3122.24 | 1.52e-21 | 3145.86 | 1.8e-21  | 3169.49 | 6.72e-22 | 3193.11 | 4.18e-22 |
| 3122.72 | 2.14e-21 | 3146.34 | 1.25e-21 | 3169.97 | 8.88e-22 | 3193.59 | 2.09e-22 |

|         |          |         |          |         |          |         |          |
|---------|----------|---------|----------|---------|----------|---------|----------|
| 3194.07 | 5.36e-22 | 3217.70 | 7.28e-22 | 3241.32 | 8.89e-22 | 3264.95 | 2.66e-22 |
| 3194.56 | 1.54e-21 | 3218.18 | 1.11e-21 | 3241.80 | 1.38e-21 | 3265.43 | 3.72e-22 |
| 3195.04 | 1.27e-21 | 3218.66 | 7.73e-22 | 3242.29 | 1.34e-21 | 3265.91 | 2.81e-22 |
| 3195.52 | 2.47e-22 | 3219.14 | 6.6e-22  | 3242.77 | 1.17e-21 | 3266.39 | 2e-22    |
| 3196.00 | 4.55e-22 | 3219.63 | 9.87e-22 | 3243.25 | 9.47e-22 | 3266.88 | 5.68e-22 |
| 3196.48 | 9.03e-22 | 3220.11 | 6.13e-22 | 3243.73 | 1.2e-21  | 3267.36 | 8.88e-22 |
| 3196.97 | 2.55e-22 | 3220.59 | 3.42e-22 | 3244.22 | 1.08e-21 | 3267.84 | 7.19e-22 |
| 3197.45 | 3.69e-22 | 3221.07 | 7.16e-22 | 3244.70 | 8.14e-22 | 3268.32 | 7.88e-22 |
| 3197.93 | 5.26e-22 | 3221.56 | 7.57e-22 | 3245.18 | 8.7e-22  | 3268.80 | 8.23e-22 |
| 3198.41 | 6.12e-23 | 3222.04 | 6.93e-22 | 3245.66 | 9.98e-22 | 3269.29 | 1.16e-21 |
| 3198.90 | 4.22e-22 | 3222.52 | 1.4e-21  | 3246.14 | 1.78e-21 | 3269.77 | 1.75e-21 |
| 3199.38 | 0        | 3223.00 | 1.88e-21 | 3246.63 | 1.39e-21 | 3270.25 | 1.4e-21  |
| 3199.86 | 0        | 3223.48 | 1.75e-21 | 3247.11 | 4.22e-22 | 3270.73 | 1.16e-21 |
| 3200.34 | 4.21e-22 | 3223.97 | 1.51e-21 | 3247.59 | 1.03e-21 | 3271.21 | 1.28e-21 |
| 3200.82 | 7.56e-22 | 3224.45 | 5.68e-22 | 3248.07 | 1.9e-21  | 3271.70 | 1.12e-21 |
| 3201.31 | 6.48e-22 | 3224.93 | 1.25e-22 | 3248.55 | 1.64e-21 | 3272.18 | 1.02e-21 |
| 3201.79 | 1.18e-22 | 3225.41 | 3.03e-22 | 3249.04 | 1.39e-21 | 3272.66 | 1.22e-21 |
| 3202.27 | 0        | 3225.89 | 6.79e-22 | 3249.52 | 9.91e-22 | 3273.14 | 1.47e-21 |
| 3202.75 | 0        | 3226.38 | 1.48e-21 | 3250.00 | 8.3e-22  | 3273.62 | 9.95e-22 |
| 3203.23 | 0        | 3226.86 | 1.14e-21 | 3250.48 | 8.97e-22 | 3274.11 | 1.4e-21  |
| 3203.72 | 6.9e-22  | 3227.34 | 3.54e-22 | 3250.97 | 1.5e-21  | 3274.59 | 1.21e-21 |
| 3204.20 | 7.4e-22  | 3227.82 | 6.92e-22 | 3251.45 | 1.41e-21 | 3275.07 | 1.08e-21 |
| 3204.68 | 9.48e-22 | 3228.31 | 1.37e-21 | 3251.93 | 8.1e-22  | 3275.55 | 1.6e-21  |
| 3205.16 | 1.3e-21  | 3228.79 | 1.2e-21  | 3252.41 | 7.76e-22 | 3276.04 | 2.04e-21 |
| 3205.65 | 1.15e-21 | 3229.27 | 1.33e-21 | 3252.89 | 4.95e-22 | 3276.52 | 1.83e-21 |
| 3206.13 | 5.44e-22 | 3229.75 | 1.6e-21  | 3253.38 | 1.9e-22  | 3277.00 | 1.39e-21 |
| 3206.61 | 5.58e-22 | 3230.23 | 1.26e-21 | 3253.86 | 6.1e-22  | 3277.48 | 7.56e-22 |
| 3207.09 | 5.5e-22  | 3230.72 | 9.78e-22 | 3254.34 | 1.19e-21 | 3277.96 | 7.09e-22 |
| 3207.57 | 3.16e-22 | 3231.20 | 1.13e-21 | 3254.82 | 1.49e-21 | 3278.45 | 2.63e-22 |
| 3208.06 | 1.1e-21  | 3231.68 | 1.52e-21 | 3255.30 | 1.47e-21 | 3278.93 | 2.22e-22 |
| 3208.54 | 1.82e-21 | 3232.16 | 1.78e-21 | 3255.79 | 7.28e-22 | 3279.41 | 1.12e-21 |
| 3209.02 | 1.16e-21 | 3232.64 | 1.4e-21  | 3256.27 | 1.3e-22  | 3279.89 | 1.04e-21 |
| 3209.50 | 1e-21    | 3233.13 | 8.15e-22 | 3256.75 | 9.66e-22 | 3280.37 | 6.42e-22 |
| 3209.98 | 5.7e-22  | 3233.61 | 0        | 3257.23 | 1.38e-21 | 3280.86 | 1.53e-21 |
| 3210.47 | 3.24e-22 | 3234.09 | 0        | 3257.71 | 9.53e-22 | 3281.34 | 1.87e-21 |
| 3210.95 | 7.89e-22 | 3234.57 | 1.87e-22 | 3258.20 | 1.13e-21 | 3281.82 | 5.44e-22 |
| 3211.43 | 6.23e-22 | 3235.05 | 1.11e-21 | 3258.68 | 1.64e-21 | 3282.30 | 1.33e-22 |
| 3211.91 | 5.58e-22 | 3235.54 | 1.04e-21 | 3259.16 | 1.52e-21 | 3282.79 | 8.93e-22 |
| 3212.40 | 2.64e-22 | 3236.02 | 9.08e-22 | 3259.64 | 8.41e-22 | 3283.27 | 1.39e-21 |
| 3212.88 | 0        | 3236.50 | 1.18e-21 | 3260.13 | 1.44e-21 | 3283.75 | 1.58e-21 |
| 3213.36 | 5.96e-22 | 3236.98 | 8.19e-22 | 3260.61 | 1.79e-21 | 3284.23 | 1.73e-21 |
| 3213.84 | 8.99e-22 | 3237.47 | 2.01e-22 | 3261.09 | 1.65e-21 | 3284.71 | 1.89e-21 |
| 3214.32 | 9.66e-22 | 3237.95 | 3.29e-22 | 3261.57 | 1.99e-21 | 3285.20 | 1.71e-21 |
| 3214.81 | 9.64e-22 | 3238.43 | 6.69e-22 | 3262.05 | 2.15e-21 | 3285.68 | 1.63e-21 |
| 3215.29 | 7.33e-22 | 3238.91 | 1.45e-21 | 3262.54 | 1.89e-21 | 3286.16 | 1.39e-21 |
| 3215.77 | 8.54e-22 | 3239.39 | 1.4e-21  | 3263.02 | 8.32e-22 | 3286.64 | 9.5e-22  |
| 3216.25 | 1.17e-21 | 3239.88 | 2.91e-22 | 3263.50 | 1.06e-21 | 3287.12 | 1.25e-21 |
| 3216.73 | 1.51e-21 | 3240.36 | 5.75e-22 | 3263.98 | 1.78e-21 | 3287.61 | 1.77e-21 |
| 3217.22 | 8.74e-22 | 3240.84 | 5.78e-22 | 3264.46 | 1.12e-21 | 3288.09 | 1.76e-21 |

|         |          |         |          |         |          |         |          |
|---------|----------|---------|----------|---------|----------|---------|----------|
| 3288.57 | 1.35e-21 | 3312.19 | 1.46e-21 | 3335.82 | 1.52e-21 | 3359.44 | 1.54e-21 |
| 3289.05 | 7.9e-22  | 3312.68 | 1.09e-21 | 3336.30 | 1.8e-21  | 3359.93 | 1.22e-21 |
| 3289.53 | 1.59e-21 | 3313.16 | 1.72e-21 | 3336.78 | 2.32e-21 | 3360.41 | 7.48e-22 |
| 3290.02 | 2.58e-21 | 3313.64 | 1.83e-21 | 3337.27 | 1.82e-21 | 3360.89 | 6.56e-22 |
| 3290.50 | 2.19e-21 | 3314.12 | 1.29e-21 | 3337.75 | 8.53e-22 | 3361.37 | 3.12e-22 |
| 3290.98 | 1.67e-21 | 3314.61 | 6.23e-22 | 3338.23 | 1.41e-21 | 3361.85 | 6.28e-22 |
| 3291.46 | 1.32e-21 | 3315.09 | 1.06e-21 | 3338.71 | 2.26e-21 | 3362.34 | 1.25e-21 |
| 3291.95 | 1.48e-21 | 3315.57 | 1.88e-21 | 3339.19 | 2.17e-21 | 3362.82 | 1.45e-21 |
| 3292.43 | 1.43e-21 | 3316.05 | 1.7e-21  | 3339.68 | 1.46e-21 | 3363.30 | 1.47e-21 |
| 3292.91 | 9.3e-22  | 3316.53 | 1.15e-21 | 3340.16 | 1.49e-21 | 3363.78 | 1.43e-21 |
| 3293.39 | 1.64e-21 | 3317.02 | 5.31e-22 | 3340.64 | 1.55e-21 | 3364.26 | 1.04e-21 |
| 3293.87 | 1.96e-21 | 3317.50 | 6.01e-22 | 3341.12 | 1.37e-21 | 3364.75 | 4.67e-22 |
| 3294.36 | 1.5e-21  | 3317.98 | 2.11e-21 | 3341.60 | 8.71e-22 | 3365.23 | 1.01e-21 |
| 3294.84 | 1.51e-21 | 3318.46 | 2.29e-21 | 3342.09 | 5.9e-22  | 3365.71 | 1.06e-21 |
| 3295.32 | 1.7e-21  | 3318.94 | 1.15e-21 | 3342.57 | 1.04e-21 | 3366.19 | 2.37e-23 |
| 3295.80 | 8.61e-22 | 3319.43 | 1.19e-21 | 3343.05 | 1.02e-21 | 3366.67 | 2.03e-22 |
| 3296.28 | 4.16e-22 | 3319.91 | 9.22e-22 | 3343.53 | 1.17e-21 | 3367.16 | 1.06e-21 |
| 3296.77 | 2.85e-22 | 3320.39 | 6.69e-22 | 3344.02 | 1.41e-21 | 3367.64 | 1.14e-21 |
| 3297.25 | 1.74e-22 | 3320.87 | 9.74e-22 | 3344.50 | 6.37e-22 | 3368.12 | 1.27e-21 |
| 3297.73 | 5.45e-22 | 3321.36 | 6.87e-22 | 3344.98 | 2.34e-22 | 3368.60 | 1.16e-21 |
| 3298.21 | 1.41e-21 | 3321.84 | 6.49e-22 | 3345.46 | 9.24e-22 | 3369.09 | 8.32e-22 |
| 3298.70 | 1.8e-21  | 3322.32 | 5.52e-22 | 3345.94 | 1.98e-21 | 3369.57 | 6.32e-22 |
| 3299.18 | 2.1e-21  | 3322.80 | 8.83e-22 | 3346.43 | 1.88e-21 | 3370.05 | 9.96e-22 |
| 3299.66 | 1.83e-21 | 3323.28 | 9.94e-22 | 3346.91 | 1e-21    | 3370.53 | 1.18e-21 |
| 3300.14 | 1.05e-21 | 3323.77 | 7e-22    | 3347.39 | 9.26e-22 | 3371.01 | 1.25e-21 |
| 3300.62 | 9.36e-22 | 3324.25 | 8.35e-22 | 3347.87 | 1.13e-21 | 3371.50 | 1.26e-21 |
| 3301.11 | 1.32e-21 | 3324.73 | 1.03e-21 | 3348.35 | 8.25e-22 | 3371.98 | 8.38e-22 |
| 3301.59 | 1.36e-21 | 3325.21 | 1.19e-21 | 3348.84 | 7.12e-22 | 3372.46 | 5.14e-22 |
| 3302.07 | 1.32e-21 | 3325.69 | 6.94e-22 | 3349.32 | 8.09e-22 | 3372.94 | 1.57e-23 |
| 3302.55 | 1.4e-21  | 3326.18 | 5.36e-22 | 3349.80 | 5.57e-22 | 3373.42 | 3.17e-22 |
| 3303.03 | 1.58e-21 | 3326.66 | 1.64e-21 | 3350.28 | 6.69e-22 | 3373.91 | 9.87e-22 |
| 3303.52 | 1.39e-21 | 3327.14 | 1.5e-21  | 3350.76 | 8.81e-22 | 3374.39 | 1.46e-21 |
| 3304.00 | 1.08e-21 | 3327.62 | 3.5e-22  | 3351.25 | 1.16e-21 | 3374.87 | 7.36e-22 |
| 3304.48 | 1.22e-21 | 3328.10 | 4.71e-22 | 3351.73 | 1.41e-21 | 3375.35 | 2.21e-22 |
| 3304.96 | 1.69e-21 | 3328.59 | 9.43e-22 | 3352.21 | 1.1e-21  | 3375.84 | 1.14e-21 |
| 3305.45 | 1.87e-21 | 3329.07 | 1.04e-21 | 3352.69 | 7.09e-22 | 3376.32 | 1.12e-21 |
| 3305.93 | 1.26e-21 | 3329.55 | 1.2e-21  | 3353.18 | 7.58e-22 | 3376.80 | 8.26e-23 |
| 3306.41 | 1.6e-21  | 3330.03 | 1.58e-21 | 3353.66 | 1.41e-21 | 3377.28 | 1.33e-22 |
| 3306.89 | 1.98e-21 | 3330.52 | 2.17e-21 | 3354.14 | 1.23e-21 | 3377.76 | 4.05e-22 |
| 3307.37 | 1.15e-21 | 3331.00 | 1.82e-21 | 3354.62 | 1.49e-21 | 3378.25 | 0        |
| 3307.86 | 2.89e-22 | 3331.48 | 1.97e-21 | 3355.10 | 1.68e-21 | 3378.73 | 0        |
| 3308.34 | 1.5e-21  | 3331.96 | 1.28e-21 | 3355.59 | 8.17e-22 | 3379.21 | 8.05e-22 |
| 3308.82 | 2.26e-21 | 3332.44 | 5.11e-22 | 3356.07 | 8.87e-22 | 3379.69 | 1.1e-21  |
| 3309.30 | 1.76e-21 | 3332.93 | 7.4e-22  | 3356.55 | 7.57e-22 | 3380.17 | 2.2e-22  |
| 3309.78 | 1.29e-21 | 3333.41 | 1.12e-21 | 3357.03 | 2.84e-22 | 3380.66 | 2.12e-22 |
| 3310.27 | 1.52e-21 | 3333.89 | 1.19e-21 | 3357.51 | 2.73e-22 | 3381.14 | 1.02e-21 |
| 3310.75 | 1.55e-21 | 3334.37 | 5.35e-22 | 3358.00 | 8.06e-22 | 3381.62 | 1.34e-21 |
| 3311.23 | 8.83e-22 | 3334.85 | 6.03e-22 | 3358.48 | 1.17e-21 | 3382.10 | 1.2e-21  |
| 3311.71 | 1.23e-21 | 3335.34 | 1.22e-21 | 3358.96 | 1.63e-21 | 3382.58 | 1.01e-21 |

|         |          |         |          |         |          |         |          |
|---------|----------|---------|----------|---------|----------|---------|----------|
| 3383.07 | 1.41e-21 | 3406.69 | 7.39e-22 | 3430.32 | 2.14e-22 | 3453.94 | 9.21e-22 |
| 3383.55 | 1.47e-21 | 3407.17 | 7.04e-22 | 3430.80 | 0        | 3454.42 | 6.49e-22 |
| 3384.03 | 1.04e-21 | 3407.66 | 2.82e-22 | 3431.28 | 4.13e-23 | 3454.90 | 1.2e-21  |
| 3384.51 | 1.04e-21 | 3408.14 | 0        | 3431.76 | 7.55e-22 | 3455.39 | 1.04e-21 |
| 3385.00 | 1.44e-21 | 3408.62 | 1.36e-22 | 3432.24 | 1.17e-21 | 3455.87 | 9.8e-22  |
| 3385.48 | 1.86e-21 | 3409.10 | 7.08e-22 | 3432.73 | 1.09e-21 | 3456.35 | 8.37e-22 |
| 3385.96 | 1.11e-21 | 3409.58 | 6.67e-22 | 3433.21 | 7.97e-22 | 3456.83 | 1.02e-21 |
| 3386.44 | 0        | 3410.07 | 3.71e-22 | 3433.69 | 9.74e-22 | 3457.31 | 1.41e-21 |
| 3386.92 | 7.29e-22 | 3410.55 | 1.33e-22 | 3434.17 | 9.33e-22 | 3457.80 | 1.23e-21 |
| 3387.41 | 1.23e-21 | 3411.03 | 0        | 3434.65 | 1.09e-21 | 3458.28 | 1.4e-21  |
| 3387.89 | 1.18e-21 | 3411.51 | 8.69e-22 | 3435.14 | 1.28e-21 | 3458.76 | 1.46e-21 |
| 3388.37 | 8.07e-22 | 3411.99 | 1.23e-21 | 3435.62 | 9.74e-22 | 3459.24 | 1.16e-21 |
| 3388.85 | 4.68e-22 | 3412.48 | 1.06e-21 | 3436.10 | 6.3e-22  | 3459.72 | 8.82e-22 |
| 3389.33 | 9.83e-22 | 3412.96 | 5.72e-22 | 3436.58 | 7.4e-22  | 3460.21 | 6.02e-22 |
| 3389.82 | 9.43e-22 | 3413.44 | 0        | 3437.06 | 1.52e-21 | 3460.69 | 8.38e-22 |
| 3390.30 | 5.86e-22 | 3413.92 | 0        | 3437.55 | 2.6e-21  | 3461.17 | 1.01e-21 |
| 3390.78 | 0        | 3414.41 | 8.42e-22 | 3438.03 | 2.2e-21  | 3461.65 | 9.54e-22 |
| 3391.26 | 0        | 3414.89 | 6.83e-22 | 3438.51 | 1.42e-21 | 3462.14 | 1.56e-21 |
| 3391.75 | 6.5e-22  | 3415.37 | 1.48e-22 | 3438.99 | 1.23e-21 | 3462.62 | 1.86e-21 |
| 3392.23 | 1.48e-21 | 3415.85 | 0        | 3439.48 | 6.7e-22  | 3463.10 | 1.87e-21 |
| 3392.71 | 1.62e-21 | 3416.33 | 2.38e-22 | 3439.96 | 7.72e-22 | 3463.58 | 1.23e-21 |
| 3393.19 | 8.75e-22 | 3416.82 | 8.75e-22 | 3440.44 | 1.32e-21 | 3464.06 | 3.43e-22 |
| 3393.67 | 0        | 3417.30 | 2.17e-21 | 3440.92 | 7.85e-22 | 3464.55 | 0        |
| 3394.16 | 0        | 3417.78 | 2.27e-21 | 3441.40 | 3.02e-22 | 3465.03 | 0        |
| 3394.64 | 4.6e-22  | 3418.26 | 1.64e-21 | 3441.89 | 3.63e-22 | 3465.51 | 0        |
| 3395.12 | 7.3e-22  | 3418.74 | 1.01e-21 | 3442.37 | 4.96e-22 | 3465.99 | 3.14e-22 |
| 3395.60 | 5.09e-22 | 3419.23 | 6.3e-22  | 3442.85 | 1.26e-21 | 3466.47 | 8.17e-22 |
| 3396.08 | 4.91e-22 | 3419.71 | 3.02e-22 | 3443.33 | 1.26e-21 | 3466.96 | 1.21e-21 |
| 3396.57 | 5.06e-22 | 3420.19 | 7.94e-22 | 3443.81 | 0        | 3467.44 | 1.63e-21 |
| 3397.05 | 8.68e-22 | 3420.67 | 1.02e-21 | 3444.30 | 0        | 3467.92 | 1.37e-21 |
| 3397.53 | 1.15e-21 | 3421.16 | 5.96e-22 | 3444.78 | 3.47e-22 | 3468.40 | 1.11e-21 |
| 3398.01 | 1.09e-21 | 3421.64 | 1.07e-21 | 3445.26 | 2.83e-22 | 3468.89 | 4.9e-22  |
| 3398.50 | 6.05e-22 | 3422.12 | 1.4e-21  | 3445.74 | 4.48e-22 | 3469.37 | 2e-22    |
| 3398.98 | 3.87e-22 | 3422.60 | 1.31e-21 | 3446.23 | 7.14e-22 | 3469.85 | 8.96e-22 |
| 3399.46 | 1e-21    | 3423.08 | 6.89e-22 | 3446.71 | 4.71e-22 | 3470.33 | 1.36e-21 |
| 3399.94 | 1.38e-21 | 3423.57 | 0        | 3447.19 | 1.01e-21 | 3470.81 | 1.11e-21 |
| 3400.42 | 1.24e-21 | 3424.05 | 0        | 3447.67 | 1.33e-21 | 3471.30 | 6.12e-22 |
| 3400.91 | 7.55e-22 | 3424.53 | 2.65e-22 | 3448.15 | 1.23e-21 | 3471.78 | 7.38e-22 |
| 3401.39 | 5.03e-22 | 3425.01 | 1.56e-21 | 3448.64 | 6.64e-22 | 3472.26 | 1.17e-21 |
| 3401.87 | 0        | 3425.49 | 1.74e-21 | 3449.12 | 1.34e-22 | 3472.74 | 2.17e-21 |
| 3402.35 | 0        | 3425.98 | 2e-21    | 3449.60 | 0        | 3473.22 | 2.32e-21 |
| 3402.83 | 2.65e-22 | 3426.46 | 1.58e-21 | 3450.08 | 5.56e-22 | 3473.71 | 8.41e-22 |
| 3403.32 | 1.36e-21 | 3426.94 | 4.34e-22 | 3450.56 | 5.2e-22  | 3474.19 | 2.43e-22 |
| 3403.80 | 1.74e-21 | 3427.42 | 0        | 3451.05 | 4.47e-22 | 3474.67 | 8.43e-22 |
| 3404.28 | 1.73e-21 | 3427.90 | 0        | 3451.53 | 9.6e-22  | 3475.15 | 8.02e-22 |
| 3404.76 | 1.37e-21 | 3428.39 | 0        | 3452.01 | 1.17e-21 | 3475.64 | 1.41e-21 |
| 3405.24 | 6.69e-22 | 3428.87 | 4.96e-22 | 3452.49 | 7.64e-22 | 3476.12 | 1.63e-21 |
| 3405.73 | 6.65e-22 | 3429.35 | 1.13e-21 | 3452.98 | 1.86e-21 | 3476.60 | 1.57e-21 |
| 3406.21 | 5.98e-22 | 3429.83 | 7.56e-22 | 3453.46 | 2.3e-21  | 3477.08 | 1.17e-21 |



|         |          |         |          |         |          |         |          |
|---------|----------|---------|----------|---------|----------|---------|----------|
| 3477.56 | 1.18e-21 | 3501.19 | 1.66e-21 | 3524.81 | 1.11e-21 | 3548.44 | 1.95e-21 |
| 3478.05 | 1.76e-21 | 3501.67 | 2.71e-21 | 3525.29 | 1.43e-21 | 3548.92 | 1.21e-21 |
| 3478.53 | 1.6e-21  | 3502.15 | 3.08e-21 | 3525.78 | 1.8e-21  | 3549.40 | 1.18e-21 |
| 3479.01 | 1.2e-21  | 3502.63 | 2.7e-21  | 3526.26 | 1.51e-21 | 3549.88 | 1.24e-21 |
| 3479.49 | 1.01e-21 | 3503.12 | 2.76e-21 | 3526.74 | 1.63e-21 | 3550.36 | 7.89e-22 |
| 3479.97 | 1.33e-21 | 3503.60 | 2.31e-21 | 3527.22 | 1.79e-21 | 3550.85 | 3.21e-22 |
| 3480.46 | 1.23e-21 | 3504.08 | 2.02e-21 | 3527.70 | 2.09e-21 | 3551.33 | 4.97e-22 |
| 3480.94 | 1.29e-21 | 3504.56 | 2.43e-21 | 3528.19 | 1.96e-21 | 3551.81 | 2.61e-21 |
| 3481.42 | 1.66e-21 | 3505.04 | 1.98e-21 | 3528.67 | 2.27e-21 | 3552.29 | 2.8e-21  |
| 3481.90 | 2.26e-21 | 3505.53 | 1.94e-21 | 3529.15 | 2.62e-21 | 3552.77 | 1.37e-21 |
| 3482.38 | 2.31e-21 | 3506.01 | 2.44e-21 | 3529.63 | 1.58e-21 | 3553.26 | 1.46e-21 |
| 3482.87 | 1.7e-21  | 3506.49 | 2.57e-21 | 3530.12 | 6.56e-22 | 3553.74 | 2e-21    |
| 3483.35 | 1.39e-21 | 3506.97 | 1.9e-21  | 3530.60 | 1.28e-21 | 3554.22 | 1.5e-21  |
| 3483.83 | 1.63e-21 | 3507.46 | 1.85e-21 | 3531.08 | 1.09e-21 | 3554.70 | 1.71e-21 |
| 3484.31 | 1.46e-21 | 3507.94 | 1.74e-21 | 3531.56 | 9.46e-22 | 3555.19 | 1.72e-21 |
| 3484.80 | 8.31e-22 | 3508.42 | 1.67e-21 | 3532.04 | 9.91e-22 | 3555.67 | 1.15e-21 |
| 3485.28 | 1.09e-21 | 3508.90 | 1.6e-21  | 3532.53 | 1.02e-21 | 3556.15 | 5.97e-22 |
| 3485.76 | 2.11e-21 | 3509.38 | 2.24e-21 | 3533.01 | 1.37e-21 | 3556.63 | 8.3e-22  |
| 3486.24 | 2.38e-21 | 3509.87 | 1.94e-21 | 3533.49 | 7.23e-22 | 3557.11 | 1.15e-21 |
| 3486.72 | 1.37e-21 | 3510.35 | 1.62e-21 | 3533.97 | 9.23e-22 | 3557.60 | 1.2e-21  |
| 3487.21 | 9.08e-22 | 3510.83 | 2.28e-21 | 3534.45 | 2.04e-21 | 3558.08 | 1.17e-21 |
| 3487.69 | 1.92e-21 | 3511.31 | 2.33e-21 | 3534.94 | 1.81e-21 | 3558.56 | 6.92e-22 |
| 3488.17 | 2.46e-21 | 3511.79 | 2.04e-21 | 3535.42 | 1.26e-21 | 3559.04 | 5.4e-22  |
| 3488.65 | 1.74e-21 | 3512.28 | 2.12e-21 | 3535.90 | 1.17e-21 | 3559.52 | 9.22e-22 |
| 3489.13 | 1.53e-21 | 3512.76 | 1.36e-21 | 3536.38 | 1.41e-21 | 3560.01 | 1.05e-21 |
| 3489.62 | 2.39e-21 | 3513.24 | 1.37e-21 | 3536.86 | 1.71e-21 | 3560.49 | 5.84e-22 |
| 3490.10 | 2.39e-21 | 3513.72 | 2.17e-21 | 3537.35 | 2.05e-21 | 3560.97 | 4.91e-22 |
| 3490.58 | 2.2e-21  | 3514.2  | 1.85e-21 | 3537.83 | 2.03e-21 | 3561.45 | 7.18e-22 |
| 3491.06 | 2.73e-21 | 3514.69 | 1.28e-21 | 3538.31 | 1.2e-21  | 3561.94 | 8.56e-22 |
| 3491.55 | 2.05e-21 | 3515.17 | 1.54e-21 | 3538.79 | 9.64e-22 | 3562.42 | 3.73e-22 |
| 3492.03 | 1.64e-21 | 3515.65 | 2.04e-21 | 3539.28 | 1.05e-21 | 3562.90 | 0        |
| 3492.51 | 1.58e-21 | 3516.13 | 2.05e-21 | 3539.76 | 5.62e-22 | 3563.38 | 7.5e-22  |
| 3492.99 | 1.66e-21 | 3516.62 | 1.15e-21 | 3540.24 | 6.4e-22  | 3563.86 | 1.44e-21 |
| 3493.47 | 1.18e-21 | 3517.1  | 7.14e-22 | 3540.72 | 6.06e-22 | 3564.35 | 7.46e-22 |
| 3493.96 | 1.09e-21 | 3517.58 | 7.62e-22 | 3541.20 | 8.86e-22 | 3564.83 | 8.09e-22 |
| 3494.44 | 1.74e-21 | 3518.06 | 8.03e-22 | 3541.69 | 9.91e-22 | 3565.31 | 1.66e-21 |
| 3494.92 | 2.8e-21  | 3518.54 | 1.02e-21 | 3542.17 | 1.21e-21 | 3565.79 | 3.13e-21 |
| 3495.40 | 2.77e-21 | 3519.03 | 1.49e-21 | 3542.65 | 1.46e-21 | 3566.27 | 4.08e-21 |
| 3495.88 | 2.16e-21 | 3519.51 | 1.6e-21  | 3543.13 | 1.92e-21 | 3566.76 | 3.79e-21 |
| 3496.37 | 1.98e-21 | 3519.99 | 1.38e-21 | 3543.61 | 1.75e-21 | 3567.24 | 2.76e-21 |
| 3496.85 | 2e-21    | 3520.47 | 1.41e-21 | 3544.10 | 1.44e-21 | 3567.72 | 4.89e-21 |
| 3497.33 | 2.14e-21 | 3520.95 | 1.63e-21 | 3544.58 | 1.46e-21 | 3568.20 | 5.63e-21 |
| 3497.81 | 1.7e-21  | 3521.44 | 1.52e-21 | 3545.06 | 2.22e-21 | 3568.69 | 3.13e-21 |
| 3498.29 | 1.69e-21 | 3521.92 | 1.21e-21 | 3545.54 | 1.78e-21 | 3569.17 | 1.45e-21 |
| 3498.78 | 1.98e-21 | 3522.40 | 1.54e-21 | 3546.03 | 4.54e-22 | 3569.65 | 1.11e-21 |
| 3499.26 | 1.91e-21 | 3522.88 | 2.29e-21 | 3546.51 | 1.4e-21  | 3570.13 | 1.22e-21 |
| 3499.74 | 2.38e-21 | 3523.37 | 1.68e-21 | 3546.99 | 2.78e-21 | 3570.61 | 9.82e-22 |
| 3500.22 | 2.34e-21 | 3523.85 | 2.05e-21 | 3547.47 | 1.47e-21 | 3571.10 | 5.06e-22 |
| 3500.71 | 1.61e-21 | 3524.33 | 1.9e-21  | 3547.95 | 9.35e-22 | 3571.58 | 4.37e-22 |

|         |          |         |          |         |          |         |          |
|---------|----------|---------|----------|---------|----------|---------|----------|
| 3572.06 | 4.78e-22 | 3595.68 | 4.23e-21 | 3619.31 | 1.74e-20 | 3642.93 | 7.79e-20 |
| 3572.54 | 7.57e-22 | 3596.17 | 2.84e-21 | 3619.79 | 1.84e-20 | 3643.41 | 8.01e-20 |
| 3573.02 | 1.41e-21 | 3596.65 | 1.95e-21 | 3620.27 | 1.47e-20 | 3643.90 | 8.15e-20 |
| 3573.51 | 1.54e-21 | 3597.13 | 1.24e-21 | 3620.75 | 1.62e-20 | 3644.38 | 8.22e-20 |
| 3573.99 | 1.79e-21 | 3597.61 | 1.78e-21 | 3621.24 | 1.78e-20 | 3644.86 | 8.36e-20 |
| 3574.47 | 1.42e-21 | 3598.09 | 3.04e-21 | 3621.72 | 1.69e-20 | 3645.34 | 8.44e-20 |
| 3574.95 | 6.85e-22 | 3598.58 | 2.5e-21  | 3622.20 | 1.67e-20 | 3645.82 | 8.5e-20  |
| 3575.43 | 5.25e-23 | 3599.06 | 1.61e-21 | 3622.68 | 1.75e-20 | 3646.31 | 8.71e-20 |
| 3575.92 | 3.79e-22 | 3599.54 | 1.99e-21 | 3623.17 | 1.78e-20 | 3646.79 | 8.91e-20 |
| 3576.40 | 1.14e-21 | 3600.02 | 2.52e-21 | 3623.65 | 1.85e-20 | 3647.27 | 9.07e-20 |
| 3576.88 | 1.03e-21 | 3600.51 | 2.78e-21 | 3624.13 | 2.01e-20 | 3647.75 | 8.67e-20 |
| 3577.36 | 1.12e-21 | 3600.99 | 3.48e-21 | 3624.61 | 2.1e-20  | 3648.24 | 8.23e-20 |
| 3577.85 | 1.22e-21 | 3601.47 | 2.23e-21 | 3625.09 | 2.13e-20 | 3648.72 | 8.12e-20 |
| 3578.33 | 9.47e-22 | 3601.95 | 1.94e-21 | 3625.58 | 2.26e-20 | 3649.20 | 8.3e-20  |
| 3578.81 | 5.21e-22 | 3602.43 | 3.22e-21 | 3626.06 | 2.49e-20 | 3649.68 | 7.51e-20 |
| 3579.29 | 7.69e-22 | 3602.92 | 3.43e-21 | 3626.54 | 2.56e-20 | 3650.16 | 6.84e-20 |
| 3579.77 | 1.01e-21 | 3603.40 | 2.63e-21 | 3627.02 | 2.52e-20 | 3650.65 | 6.8e-20  |
| 3580.26 | 1.24e-21 | 3603.88 | 2.44e-21 | 3627.50 | 2.62e-20 | 3651.13 | 6.59e-20 |
| 3580.74 | 1.23e-21 | 3604.36 | 3.38e-21 | 3627.99 | 3.2e-20  | 3651.61 | 6.09e-20 |
| 3581.22 | 1.49e-21 | 3604.84 | 3.6e-21  | 3628.47 | 3.59e-20 | 3652.09 | 5.52e-20 |
| 3581.70 | 1.74e-21 | 3605.33 | 3.17e-21 | 3628.95 | 3.47e-20 | 3652.57 | 5.48e-20 |
| 3582.18 | 1.87e-21 | 3605.81 | 2.9e-21  | 3629.43 | 4.14e-20 | 3653.06 | 5.64e-20 |
| 3582.67 | 1.33e-21 | 3606.29 | 3.03e-21 | 3629.91 | 3.93e-20 | 3653.54 | 5.89e-20 |
| 3583.15 | 1.32e-21 | 3606.77 | 4.98e-21 | 3630.40 | 3.49e-20 | 3654.02 | 6.17e-20 |
| 3583.63 | 1.77e-21 | 3607.25 | 5.73e-21 | 3630.88 | 3.62e-20 | 3654.50 | 6.45e-20 |
| 3584.11 | 1.19e-21 | 3607.74 | 4.13e-21 | 3631.36 | 3.78e-20 | 3654.99 | 6.81e-20 |
| 3584.59 | 5.27e-22 | 3608.22 | 3.99e-21 | 3631.84 | 3.93e-20 | 3655.47 | 7.19e-20 |
| 3585.08 | 1.16e-21 | 3608.70 | 7.45e-21 | 3632.33 | 3.99e-20 | 3655.95 | 8.01e-20 |
| 3585.56 | 1.66e-21 | 3609.18 | 1.31e-20 | 3632.81 | 4.12e-20 | 3656.43 | 8.56e-20 |
| 3586.04 | 2.95e-21 | 3609.67 | 1.01e-20 | 3633.29 | 4.44e-20 | 3656.91 | 8.28e-20 |
| 3586.52 | 6.05e-21 | 3610.15 | 6.17e-21 | 3633.77 | 4.8e-20  | 3657.40 | 8.48e-20 |
| 3587.01 | 4.42e-21 | 3610.63 | 5.99e-21 | 3634.25 | 4.77e-20 | 3657.88 | 8.67e-20 |
| 3587.49 | 1.4e-21  | 3611.11 | 5.82e-21 | 3634.74 | 4.75e-20 | 3658.36 | 8.75e-20 |
| 3587.97 | 1.78e-21 | 3611.59 | 6.12e-21 | 3635.22 | 4.99e-20 | 3658.84 | 8.85e-20 |
| 3588.45 | 5.7e-21  | 3612.08 | 8.45e-21 | 3635.70 | 5.24e-20 | 3659.32 | 9.04e-20 |
| 3588.93 | 5.12e-21 | 3612.56 | 1.2e-20  | 3636.18 | 5.33e-20 | 3659.81 | 9.23e-20 |
| 3589.42 | 1.22e-21 | 3613.04 | 1.04e-20 | 3636.66 | 5.51e-20 | 3660.29 | 9.31e-20 |
| 3589.90 | 1.61e-21 | 3613.52 | 8.23e-21 | 3637.15 | 5.83e-20 | 3660.77 | 9.16e-20 |
| 3590.38 | 2.15e-21 | 3614.00 | 8.65e-21 | 3637.63 | 6.07e-20 | 3661.25 | 9.07e-20 |
| 3590.86 | 1.68e-21 | 3614.49 | 1.03e-20 | 3638.11 | 6.2e-20  | 3661.73 | 8.98e-20 |
| 3591.34 | 9.62e-22 | 3614.97 | 1.01e-20 | 3638.59 | 6.31e-20 | 3662.22 | 8.84e-20 |
| 3591.83 | 8.13e-22 | 3615.45 | 9.85e-21 | 3639.08 | 6.49e-20 | 3662.70 | 8.79e-20 |
| 3592.31 | 1.17e-21 | 3615.93 | 9.01e-21 | 3639.56 | 6.68e-20 | 3663.18 | 8.81e-20 |
| 3592.79 | 2.91e-21 | 3616.42 | 9.57e-21 | 3640.04 | 6.85e-20 | 3663.66 | 8.69e-20 |
| 3593.27 | 3.67e-21 | 3616.90 | 1.1e-20  | 3640.52 | 7.03e-20 | 3664.15 | 8.52e-20 |
| 3593.76 | 2.06e-21 | 3617.38 | 1.35e-20 | 3641.00 | 7.17e-20 | 3664.63 | 8.32e-20 |
| 3594.24 | 9.29e-22 | 3617.86 | 1.41e-20 | 3641.49 | 7.34e-20 | 3665.11 | 8.12e-20 |
| 3594.72 | 2.04e-21 | 3618.34 | 1.23e-20 | 3641.97 | 7.52e-20 | 3665.59 | 7.9e-20  |
| 3595.20 | 4.76e-21 | 3618.83 | 1.24e-20 | 3642.45 | 7.69e-20 | 3666.07 | 7.74e-20 |

|         |          |         |          |         |          |         |          |
|---------|----------|---------|----------|---------|----------|---------|----------|
| 3666.56 | 7.54e-20 | 3690.18 | 1.71e-20 | 3713.80 | 0        | 3737.43 | 1.1e-21  |
| 3667.04 | 7.39e-20 | 3690.66 | 1.83e-20 | 3714.29 | 1.62e-21 | 3737.91 | 9.43e-22 |
| 3667.52 | 7.26e-20 | 3691.14 | 2.06e-20 | 3714.77 | 1.97e-21 | 3738.39 | 1.92e-21 |
| 3668.00 | 7.14e-20 | 3691.63 | 1.71e-20 | 3715.25 | 8.19e-22 | 3738.87 | 7.8e-22  |
| 3668.48 | 7.33e-20 | 3692.11 | 1.23e-20 | 3715.73 | 0        | 3739.36 | 0        |
| 3668.97 | 7.22e-20 | 3692.59 | 1.23e-20 | 3716.22 | 0        | 3739.84 | 0        |
| 3669.45 | 6.54e-20 | 3693.07 | 1.24e-20 | 3716.70 | 1.01e-22 | 3740.32 | 0        |
| 3669.93 | 6.32e-20 | 3693.56 | 1.26e-20 | 3717.18 | 1.08e-21 | 3740.80 | 9.46e-22 |
| 3670.41 | 6.98e-20 | 3694.04 | 1.16e-20 | 3717.66 | 7.89e-22 | 3741.29 | 2.18e-21 |
| 3670.90 | 7.11e-20 | 3694.52 | 1.05e-20 | 3718.14 | 3.58e-22 | 3741.77 | 1.31e-21 |
| 3671.38 | 6.1e-20  | 3695.00 | 8.94e-21 | 3718.63 | 1.26e-21 | 3742.25 | 7.65e-22 |
| 3671.86 | 5.72e-20 | 3695.48 | 8.29e-21 | 3719.11 | 2.5e-21  | 3742.73 | 0        |
| 3672.34 | 5.45e-20 | 3695.97 | 9.04e-21 | 3719.59 | 1.03e-21 | 3743.21 | 0        |
| 3672.82 | 5.34e-20 | 3696.45 | 1.04e-20 | 3720.07 | 4.8e-22  | 3743.70 | 5.2e-21  |
| 3673.31 | 5.21e-20 | 3696.93 | 9.49e-21 | 3720.55 | 2.49e-22 | 3744.18 | 1.61e-20 |
| 3673.79 | 5.1e-20  | 3697.41 | 8.16e-21 | 3721.04 | 0        | 3744.66 | 2.08e-20 |
| 3674.27 | 5.19e-20 | 3697.89 | 7.57e-21 | 3721.52 | 1.2e-21  | 3745.14 | 9.2e-21  |
| 3674.75 | 5.57e-20 | 3698.38 | 7.51e-21 | 3722.00 | 4.66e-21 | 3745.62 | 5.62e-22 |
| 3675.23 | 5.27e-20 | 3698.86 | 7.55e-21 | 3722.48 | 4.31e-21 | 3746.11 | 0        |
| 3675.72 | 5.45e-20 | 3699.34 | 6.86e-21 | 3722.96 | 1.63e-21 | 3746.59 | 7.34e-22 |
| 3676.20 | 5.46e-20 | 3699.82 | 7.03e-21 | 3723.45 | 8.9e-22  | 3747.07 | 1.65e-21 |
| 3676.68 | 4.62e-20 | 3700.30 | 6.68e-21 | 3723.93 | 8.71e-22 | 3747.55 | 4.17e-22 |
| 3677.16 | 4.35e-20 | 3700.79 | 6.15e-21 | 3724.41 | 1.42e-21 | 3748.04 | 0        |
| 3677.65 | 4.21e-20 | 3701.27 | 8.36e-21 | 3724.89 | 1.95e-21 | 3748.52 | 1.14e-21 |
| 3678.13 | 4.01e-20 | 3701.75 | 1.14e-20 | 3725.38 | 1.27e-21 | 3749.00 | 1.03e-20 |
| 3678.61 | 3.91e-20 | 3702.23 | 8.21e-21 | 3725.86 | 1.76e-21 | 3749.48 | 1.62e-20 |
| 3679.09 | 4e-20    | 3702.72 | 4.7e-21  | 3726.34 | 3.13e-21 | 3749.96 | 5.77e-21 |
| 3679.57 | 3.91e-20 | 3703.20 | 4.2e-21  | 3726.82 | 2.25e-21 | 3750.45 | 3.02e-22 |
| 3680.06 | 3.61e-20 | 3703.68 | 3.93e-21 | 3727.30 | 7.31e-22 | 3750.93 | 4.5e-22  |
| 3680.54 | 3.44e-20 | 3704.16 | 3.66e-21 | 3727.79 | 7.11e-22 | 3751.41 | 1.86e-21 |
| 3681.02 | 3.31e-20 | 3704.64 | 3.35e-21 | 3728.27 | 8.93e-23 | 3751.89 | 1.01e-20 |
| 3681.50 | 3.22e-20 | 3705.13 | 3.39e-21 | 3728.75 | 8.91e-23 | 3752.37 | 1.29e-20 |
| 3681.98 | 3.04e-20 | 3705.61 | 3.39e-21 | 3729.23 | 0        | 3752.86 | 3.51e-21 |
| 3682.47 | 2.84e-20 | 3706.09 | 4.09e-21 | 3729.71 | 0        | 3753.34 | 4.43e-22 |
| 3682.95 | 2.72e-20 | 3706.57 | 3.66e-21 | 3730.20 | 0        | 3753.82 | 6.71e-23 |
| 3683.43 | 2.71e-20 | 3707.05 | 2.28e-21 | 3730.68 | 0        | 3754.30 | 0        |
| 3683.91 | 2.73e-20 | 3707.54 | 1.4e-21  | 3731.16 | 1.46e-22 | 3754.78 | 0        |
| 3684.39 | 2.65e-20 | 3708.02 | 2.13e-21 | 3731.64 | 4.69e-21 | 3755.27 | 7.43e-22 |
| 3684.88 | 2.42e-20 | 3708.50 | 2.33e-21 | 3732.13 | 9.78e-21 | 3755.75 | 4.85e-22 |
| 3685.36 | 2.34e-20 | 3708.98 | 6.1e-21  | 3732.61 | 5.21e-21 | 3756.23 | 2.68e-21 |
| 3685.84 | 2.27e-20 | 3709.47 | 8.02e-21 | 3733.09 | 1.47e-21 | 3756.71 | 4.13e-21 |
| 3686.32 | 2.18e-20 | 3709.95 | 3.8e-21  | 3733.57 | 1.07e-21 | 3757.20 | 1.7e-21  |
| 3686.81 | 2.01e-20 | 3710.43 | 2e-21    | 3734.05 | 1.88e-21 | 3757.68 | 0        |
| 3687.29 | 1.9e-20  | 3710.91 | 2.73e-21 | 3734.54 | 4.81e-21 | 3758.16 | 0        |
| 3687.77 | 2.09e-20 | 3711.39 | 2.92e-21 | 3735.02 | 6.14e-21 | 3758.64 | 4.55e-22 |
| 3688.25 | 3.04e-20 | 3711.88 | 8.43e-21 | 3735.50 | 5.45e-21 | 3759.12 | 1.09e-21 |
| 3688.73 | 2.81e-20 | 3712.36 | 1.01e-20 | 3735.98 | 2.76e-21 | 3759.61 | 3.62e-21 |
| 3689.22 | 1.91e-20 | 3712.84 | 2.46e-21 | 3736.46 | 6.58e-21 | 3760.09 | 3.62e-21 |
| 3689.70 | 1.75e-20 | 3713.32 | 0        | 3736.95 | 6.72e-21 | 3760.57 | 0        |

|         |          |         |          |         |          |         |          |
|---------|----------|---------|----------|---------|----------|---------|----------|
| 3761.05 | 0        | 3784.68 | 9.43e-22 | 3808.30 | 5.99e-22 | 3831.92 | 2.77e-21 |
| 3761.53 | 2.47e-22 | 3785.16 | 7.33e-22 | 3808.78 | 6.56e-22 | 3832.41 | 0        |
| 3762.02 | 1.85e-22 | 3785.64 | 7.04e-22 | 3809.27 | 1.26e-21 | 3832.89 | 0        |
| 3762.50 | 0        | 3786.12 | 6.4e-22  | 3809.75 | 1.58e-21 | 3833.37 | 0        |
| 3762.98 | 0        | 3786.61 | 8.4e-22  | 3810.23 | 9.36e-22 | 3833.85 | 7.52e-22 |
| 3763.46 | 0        | 3787.09 | 5.16e-22 | 3810.71 | 2.77e-22 | 3834.34 | 1.01e-21 |
| 3763.95 | 0        | 3787.57 | 4.68e-22 | 3811.19 | 1.56e-21 | 3834.82 | 5.09e-21 |
| 3764.43 | 0        | 3788.05 | 1.27e-21 | 3811.68 | 1.55e-21 | 3835.30 | 3.07e-21 |
| 3764.91 | 0        | 3788.53 | 1.75e-21 | 3812.16 | 1.31e-21 | 3835.78 | 2.5e-22  |
| 3765.39 | 2.9e-21  | 3789.02 | 1.3e-21  | 3812.64 | 1.77e-21 | 3836.26 | 7.62e-22 |
| 3765.87 | 4.17e-21 | 3789.50 | 4.41e-22 | 3813.12 | 1.97e-21 | 3836.75 | 3.28e-22 |
| 3766.36 | 1.07e-21 | 3789.98 | 4.03e-22 | 3813.60 | 1.21e-21 | 3837.23 | 3.52e-21 |
| 3766.84 | 6.97e-22 | 3790.46 | 9.72e-22 | 3814.09 | 1.11e-21 | 3837.71 | 1.26e-20 |
| 3767.32 | 4.8e-22  | 3790.94 | 1.23e-21 | 3814.57 | 2e-21    | 3838.19 | 8.67e-21 |
| 3767.80 | 1.81e-22 | 3791.43 | 1.47e-21 | 3815.05 | 2.57e-21 | 3838.67 | 7.79e-22 |
| 3768.28 | 5.41e-22 | 3791.91 | 1.18e-21 | 3815.53 | 5.76e-21 | 3839.16 | 0        |
| 3768.77 | 2.3e-22  | 3792.39 | 1.39e-21 | 3816.01 | 1.29e-20 | 3839.64 | 8.46e-22 |
| 3769.25 | 8.91e-22 | 3792.87 | 1.37e-21 | 3816.50 | 7.63e-21 | 3840.12 | 2.55e-21 |
| 3769.73 | 5.69e-21 | 3793.35 | 8.6e-22  | 3816.98 | 3.59e-22 | 3840.60 | 2.05e-21 |
| 3770.21 | 3.62e-21 | 3793.84 | 4.67e-22 | 3817.46 | 2.95e-22 | 3841.09 | 3.29e-21 |
| 3770.70 | 0        | 3794.32 | 1.42e-21 | 3817.94 | 8.85e-22 | 3841.57 | 4.98e-22 |
| 3771.18 | 0        | 3794.80 | 1.25e-21 | 3818.43 | 8.11e-22 | 3842.05 | 0        |
| 3771.66 | 6.91e-23 | 3795.28 | 7.64e-22 | 3818.91 | 9.15e-22 | 3842.53 | 0        |
| 3772.14 | 2.21e-23 | 3795.77 | 2.33e-21 | 3819.39 | 1.51e-21 | 3843.01 | 0        |
| 3772.62 | 0        | 3796.25 | 6.52e-21 | 3819.87 | 3.08e-21 | 3843.50 | 2.8e-21  |
| 3773.11 | 0        | 3796.73 | 4.83e-21 | 3820.35 | 6.59e-21 | 3843.98 | 2.96e-21 |
| 3773.59 | 0        | 3797.21 | 1.67e-21 | 3820.84 | 8.35e-21 | 3844.46 | 6.65e-23 |
| 3774.07 | 0        | 3797.69 | 1.76e-21 | 3821.32 | 6.93e-21 | 3844.94 | 0        |
| 3774.55 | 0        | 3798.18 | 1.27e-21 | 3821.80 | 8.07e-21 | 3845.42 | 0        |
| 3775.03 | 0        | 3798.66 | 6.26e-22 | 3822.28 | 3.05e-21 | 3845.91 | 5.15e-22 |
| 3775.52 | 0        | 3799.14 | 1.45e-21 | 3822.76 | 0        | 3846.39 | 0        |
| 3776.00 | 0        | 3799.62 | 1.29e-21 | 3823.25 | 0        | 3846.87 | 0        |
| 3776.48 | 0        | 3800.10 | 1.8e-21  | 3823.73 | 1.01e-21 | 3847.35 | 0        |
| 3776.96 | 0        | 3800.59 | 2.57e-21 | 3824.21 | 1.89e-21 | 3847.83 | 0        |
| 3777.44 | 1.08e-21 | 3801.07 | 9.96e-21 | 3824.69 | 7.56e-22 | 3848.32 | 0        |
| 3777.93 | 8.78e-22 | 3801.55 | 1.18e-20 | 3825.18 | 4.67e-22 | 3848.80 | 0        |
| 3778.41 | 1.63e-22 | 3802.03 | 2.49e-21 | 3825.66 | 6.98e-22 | 3849.28 | 3.91e-23 |
| 3778.89 | 6.01e-22 | 3802.52 | 2.05e-21 | 3826.14 | 6.46e-22 | 3849.76 | 4.15e-22 |
| 3779.37 | 3.75e-21 | 3803.00 | 3.25e-21 | 3826.62 | 2.96e-21 | 3850.25 | 0        |
| 3779.86 | 2.85e-21 | 3803.48 | 1.39e-21 | 3827.10 | 1.72e-21 | 3850.73 | 0        |
| 3780.34 | 3.09e-22 | 3803.96 | 5.44e-22 | 3827.59 | 0        | 3851.21 | 1.26e-22 |
| 3780.82 | 0        | 3804.44 | 1.03e-21 | 3828.07 | 0        | 3851.69 | 6.61e-21 |
| 3781.30 | 0        | 3804.93 | 1.36e-21 | 3828.55 | 0        | 3852.17 | 8.83e-21 |
| 3781.78 | 0        | 3805.41 | 1.01e-21 | 3829.03 | 4.17e-22 | 3852.66 | 1.99e-21 |
| 3782.27 | 3.16e-24 | 3805.89 | 1.02e-21 | 3829.51 | 8.25e-22 | 3853.14 | 2.55e-21 |
| 3782.75 | 1.89e-22 | 3806.37 | 3.81e-21 | 3830.00 | 2.33e-22 | 3853.62 | 1.28e-20 |
| 3783.23 | 2.52e-22 | 3806.85 | 1.11e-20 | 3830.48 | 0        | 3854.10 | 2.24e-20 |
| 3783.71 | 0        | 3807.34 | 8.06e-21 | 3830.96 | 0        | 3854.58 | 1.36e-20 |
| 3784.19 | 1.63e-22 | 3807.82 | 1.08e-21 | 3831.44 | 2.43e-21 | 3855.07 | 2.72e-21 |

|         |          |         |          |         |          |         |          |
|---------|----------|---------|----------|---------|----------|---------|----------|
| 3855.55 | 0        | 3879.17 | 0        | 3902.80 | 0        | 3926.42 | 3.76e-23 |
| 3856.03 | 0        | 3879.66 | 1.61e-21 | 3903.28 | 0        | 3926.90 | 7.36e-23 |
| 3856.51 | 2.92e-22 | 3880.14 | 5.77e-21 | 3903.76 | 3.11e-21 | 3927.39 | 3.02e-22 |
| 3857.00 | 1.7e-21  | 3880.62 | 3.99e-21 | 3904.24 | 8.15e-21 | 3927.87 | 4.49e-22 |
| 3857.48 | 6.48e-22 | 3881.10 | 7.68e-22 | 3904.73 | 3.65e-21 | 3928.35 | 6.62e-22 |
| 3857.96 | 0        | 3881.58 | 0        | 3905.21 | 9.36e-22 | 3928.83 | 1.14e-21 |
| 3858.44 | 0        | 3882.07 | 0        | 3905.69 | 1.54e-21 | 3929.31 | 1.14e-21 |
| 3858.92 | 0        | 3882.55 | 0        | 3906.17 | 1.56e-21 | 3929.80 | 7.51e-22 |
| 3859.41 | 3.81e-22 | 3883.03 | 0        | 3906.65 | 2.07e-22 | 3930.28 | 1.26e-21 |
| 3859.89 | 0        | 3883.51 | 0        | 3907.14 | 0        | 3930.76 | 8.68e-22 |
| 3860.37 | 0        | 3883.99 | 0        | 3907.62 | 0        | 3931.24 | 0        |
| 3860.85 | 0        | 3884.48 | 0        | 3908.10 | 0        | 3931.72 | 5.06e-23 |
| 3861.33 | 8.2e-22  | 3884.96 | 0        | 3908.58 | 0        | 3932.21 | 1.59e-21 |
| 3861.82 | 2.85e-21 | 3885.44 | 5.95e-21 | 3909.06 | 0        | 3932.69 | 1.58e-21 |
| 3862.30 | 1.68e-22 | 3885.92 | 6.81e-21 | 3909.55 | 0        | 3933.17 | 7.23e-22 |
| 3862.78 | 0        | 3886.41 | 1.25e-21 | 3910.03 | 0        | 3933.65 | 1.19e-21 |
| 3863.26 | 0        | 3886.89 | 0        | 3910.51 | 0        | 3934.14 | 1.65e-21 |
| 3863.75 | 9.8e-22  | 3887.37 | 5.58e-23 | 3910.99 | 0        | 3934.62 | 6.86e-22 |
| 3864.23 | 1.13e-21 | 3887.85 | 0        | 3911.48 | 0        | 3935.10 | 0        |
| 3864.71 | 4.58e-21 | 3888.33 | 0        | 3911.96 | 0        | 3935.58 | 5.57e-23 |
| 3865.19 | 6.49e-21 | 3888.82 | 0        | 3912.44 | 0        | 3936.06 | 0        |
| 3865.67 | 1.66e-21 | 3889.30 | 0        | 3912.92 | 0        | 3936.55 | 0        |
| 3866.16 | 0        | 3889.78 | 0        | 3913.40 | 0        | 3937.03 | 0        |
| 3866.64 | 0        | 3890.26 | 0        | 3913.89 | 0        | 3937.51 | 9.86e-22 |
| 3867.12 | 0        | 3890.74 | 1.07e-21 | 3914.37 | 0        | 3937.99 | 9.05e-22 |
| 3867.60 | 0        | 3891.23 | 5.16e-21 | 3914.85 | 0        | 3938.47 | 2.46e-22 |
| 3868.08 | 0        | 3891.71 | 3.32e-21 | 3915.33 | 0        | 3938.96 | 5.05e-22 |
| 3868.57 | 0        | 3892.19 | 4.01e-22 | 3915.81 | 2.43e-22 | 3939.44 | 4.67e-22 |
| 3869.05 | 2.85e-21 | 3892.67 | 0        | 3916.30 | 6.22e-22 | 3939.92 | 1.9e-22  |
| 3869.53 | 4.48e-21 | 3893.15 | 0        | 3916.78 | 1.64e-21 | 3940.40 | 4.86e-22 |
| 3870.01 | 9.28e-21 | 3893.64 | 0        | 3917.26 | 4.55e-21 | 3940.89 | 5.1e-23  |
| 3870.49 | 6.25e-21 | 3894.12 | 0        | 3917.74 | 2.29e-21 | 3941.37 | 7.3e-23  |
| 3870.98 | 1.25e-21 | 3894.60 | 0        | 3918.23 | 0        | 3941.85 | 3.8e-22  |
| 3871.46 | 9.46e-22 | 3895.08 | 0        | 3918.71 | 0        | 3942.33 | 2.38e-21 |
| 3871.94 | 3.01e-22 | 3895.57 | 0        | 3919.19 | 0        | 3942.81 | 3.05e-21 |
| 3872.42 | 0        | 3896.05 | 0        | 3919.67 | 0        | 3943.30 | 1.25e-21 |
| 3872.91 | 0        | 3896.53 | 0        | 3920.15 | 1.17e-21 | 3943.78 | 6.87e-22 |
| 3873.39 | 1.73e-22 | 3897.01 | 0        | 3920.64 | 1.42e-22 | 3944.26 | 6.94e-22 |
| 3873.87 | 2.68e-21 | 3897.49 | 0        | 3921.12 | 0        | 3944.74 | 8.25e-22 |
| 3874.35 | 3.76e-21 | 3897.98 | 5.21e-22 | 3921.60 | 0        | 3945.22 | 8.43e-22 |
| 3874.83 | 6.73e-22 | 3898.46 | 1.07e-21 | 3922.08 | 0        | 3945.71 | 2.68e-22 |
| 3875.32 | 0        | 3898.94 | 3.97e-21 | 3922.56 | 0        | 3946.19 | 0        |
| 3875.80 | 0        | 3899.42 | 5.53e-21 | 3923.05 | 5.64e-22 | 3946.67 | 0        |
| 3876.28 | 0        | 3899.90 | 1.14e-21 | 3923.53 | 1.35e-21 | 3947.15 | 4.24e-22 |
| 3876.76 | 0        | 3900.39 | 0        | 3924.01 | 3.3e-23  | 3947.63 | 5.13e-22 |
| 3877.24 | 0        | 3900.87 | 0        | 3924.49 | 2.86e-23 | 3948.12 | 9.11e-22 |
| 3877.73 | 0        | 3901.35 | 2.48e-21 | 3924.97 | 1.94e-21 | 3948.60 | 1.62e-21 |
| 3878.21 | 0        | 3901.83 | 5.82e-21 | 3925.46 | 8.7e-22  | 3949.08 | 2.29e-21 |
| 3878.69 | 0        | 3902.31 | 3.01e-21 | 3925.94 | 0        | 3949.56 | 2.48e-21 |

|         |          |         |          |
|---------|----------|---------|----------|
| 3950.05 | 2.44e-21 | 3973.67 | 2.34e-23 |
| 3950.53 | 1.52e-21 | 3974.15 | 3.3e-23  |
| 3951.01 | 1.53e-21 | 3974.63 | 0        |
| 3951.49 | 1.74e-21 | 3975.12 | 0        |
| 3951.97 | 1.52e-21 | 3975.60 | 0        |
| 3952.46 | 1.48e-21 | 3976.08 | 1.23e-21 |
| 3952.94 | 1.51e-21 | 3976.56 | 2.21e-21 |
| 3953.42 | 1.61e-21 |         |          |
| 3953.90 | 9.05e-22 |         |          |
| 3954.38 | 7.18e-22 |         |          |
| 3954.87 | 1.28e-21 |         |          |
| 3955.35 | 1.2e-21  |         |          |
| 3955.83 | 9.13e-22 |         |          |
| 3956.31 | 2.76e-22 |         |          |
| 3956.80 | 5.5e-22  |         |          |
| 3957.28 | 6.25e-22 |         |          |
| 3957.76 | 0        |         |          |
| 3958.24 | 0        |         |          |
| 3958.72 | 4.52e-22 |         |          |
| 3959.21 | 3.75e-22 |         |          |
| 3959.69 | 1.17e-21 |         |          |
| 3960.17 | 1.25e-21 |         |          |
| 3960.65 | 9.51e-22 |         |          |
| 3961.13 | 6.1e-22  |         |          |
| 3961.62 | 3.2e-22  |         |          |
| 3962.10 | 4.55e-22 |         |          |
| 3962.58 | 4.4e-22  |         |          |
| 3963.06 | 1.38e-22 |         |          |
| 3963.54 | 1.24e-21 |         |          |
| 3964.03 | 1.98e-21 |         |          |
| 3964.51 | 1.34e-21 |         |          |
| 3964.99 | 5.8e-22  |         |          |
| 3965.47 | 1.12e-21 |         |          |
| 3965.96 | 1.19e-21 |         |          |
| 3966.44 | 0        |         |          |
| 3966.92 | 2.54e-22 |         |          |
| 3967.40 | 1.17e-21 |         |          |
| 3967.88 | 1.24e-21 |         |          |
| 3968.37 | 1.01e-21 |         |          |
| 3968.85 | 1.48e-21 |         |          |
| 3969.33 | 8.53e-22 |         |          |
| 3969.81 | 3.53e-22 |         |          |
| 3970.29 | 3.47e-22 |         |          |
| 3970.78 | 0        |         |          |
| 3971.26 | 2.98e-22 |         |          |
| 3971.74 | 9.32e-22 |         |          |
| 3972.22 | 9.91e-22 |         |          |
| 3972.71 | 9.03e-22 |         |          |
| 3973.19 | 4.83e-22 |         |          |

