

Run: 1

Table:curve

SWAN version:41.20A

| Xp<br>[m] | Yp<br>[m] | Hsig<br>[m] | TPsmoo<br>[sec] | RTpeak<br>[sec] | Tm_10<br>[sec] | Dir<br>[degr] | Dspr<br>[degr] | Depth<br>[m] | Setup<br>[m] |
|-----------|-----------|-------------|-----------------|-----------------|----------------|---------------|----------------|--------------|--------------|
| 0.        | 0.        | 0.80894     | 9.8594          | 10.0005         | 8.7598         | 0.103         | 34.0554        | 15.8200      | 0.000000     |
| 1.        | 0.        | 0.80878     | 9.8594          | 10.0005         | 8.7594         | 0.103         | 33.9988        | 15.7800      | -0.000003    |
| 2.        | 0.        | 0.80864     | 9.8595          | 10.0005         | 8.7592         | 0.103         | 33.9424        | 15.7300      | -0.000006    |
| 3.        | 0.        | 0.80849     | 9.8595          | 10.0005         | 8.7589         | 0.103         | 33.8865        | 15.6900      | -0.000008    |
| 4.        | 0.        | 0.80836     | 9.8596          | 10.0005         | 8.7587         | 0.103         | 33.8309        | 15.6400      | -0.000012    |
| 5.        | 0.        | 0.80821     | 9.8596          | 10.0005         | 8.7583         | 0.103         | 33.7759        | 15.6000      | -0.000014    |
| 6.        | 0.        | 0.80807     | 9.8597          | 10.0005         | 8.7581         | 0.103         | 33.7177        | 15.5500      | -0.000018    |
| 7.        | 0.        | 0.80785     | 9.8598          | 10.0005         | 8.7578         | 0.103         | 33.6532        | 15.5000      | -0.000021    |
| 8.        | 0.        | 0.80763     | 9.8599          | 10.0005         | 8.7579         | 0.103         | 33.5763        | 15.4100      | -0.000026    |
| 9.        | 0.        | 0.80739     | 9.8600          | 10.0005         | 8.7581         | 0.103         | 33.4984        | 15.3200      | -0.000032    |
| 10.       | 0.        | 0.80714     | 9.8602          | 10.0005         | 8.7580         | 0.103         | 33.4201        | 15.2400      | -0.000037    |
| 11.       | 0.        | 0.80694     | 9.8603          | 10.0005         | 8.7583         | 0.103         | 33.3444        | 15.1500      | -0.000043    |
| 12.       | 0.        | 0.80672     | 9.8604          | 10.0005         | 8.7582         | 0.103         | 33.2730        | 15.0800      | -0.000047    |
| 13.       | 0.        | 0.80655     | 9.8605          | 10.0005         | 8.7583         | 0.103         | 33.2026        | 14.9999      | -0.000053    |
| 14.       | 0.        | 0.80638     | 9.8606          | 10.0005         | 8.7584         | 0.103         | 33.1360        | 14.9299      | -0.000058    |
| 15.       | 0.        | 0.80620     | 9.8607          | 10.0005         | 8.7584         | 0.103         | 33.0673        | 14.8599      | -0.000062    |
| 16.       | 0.        | 0.80606     | 9.8608          | 10.0005         | 8.7586         | 0.103         | 32.9977        | 14.7799      | -0.000068    |
| 17.       | 0.        | 0.80589     | 9.8609          | 10.0005         | 8.7587         | 0.103         | 32.9278        | 14.7099      | -0.000073    |
| 18.       | 0.        | 0.80576     | 9.8611          | 10.0005         | 8.7589         | 0.103         | 32.8576        | 14.6299      | -0.000079    |
| 19.       | 0.        | 0.80563     | 9.8612          | 10.0005         | 8.7591         | 0.103         | 32.7904        | 14.5599      | -0.000084    |
| 20.       | 0.        | 0.80549     | 9.8613          | 10.0005         | 8.7592         | 0.103         | 32.7210        | 14.4899      | -0.000090    |
| 21.       | 0.        | 0.80539     | 9.8614          | 10.0005         | 8.7595         | 0.103         | 32.6507        | 14.4099      | -0.000096    |
| 22.       | 0.        | 0.80528     | 9.8615          | 10.0005         | 8.7597         | 0.102         | 32.5833        | 14.3399      | -0.000101    |
| 23.       | 0.        | 0.80517     | 9.8617          | 10.0005         | 8.7599         | 0.102         | 32.5137        | 14.2699      | -0.000107    |
| 24.       | 0.        | 0.80510     | 9.8618          | 10.0005         | 8.7603         | 0.102         | 32.4430        | 14.1899      | -0.000113    |
| 25.       | 0.        | 0.80499     | 9.8619          | 10.0005         | 8.7605         | 0.102         | 32.3721        | 14.1199      | -0.000119    |
| 26.       | 0.        | 0.80493     | 9.8620          | 10.0005         | 8.7609         | 0.102         | 32.3007        | 14.0399      | -0.000126    |
| 27.       | 0.        | 0.80486     | 9.8622          | 10.0005         | 8.7612         | 0.102         | 32.2326        | 13.9699      | -0.000132    |
| 28.       | 0.        | 0.80482     | 9.8623          | 10.0005         | 8.7615         | 0.102         | 32.1684        | 13.8999      | -0.000138    |
| 29.       | 0.        | 0.80479     | 9.8624          | 10.0005         | 8.7617         | 0.102         | 32.1122        | 13.8399      | -0.000143    |
| 30.       | 0.        | 0.80477     | 9.8625          | 10.0005         | 8.7617         | 0.102         | 32.0618        | 13.7899      | -0.000148    |
| 31.       | 0.        | 0.80474     | 9.8626          | 10.0005         | 8.7616         | 0.102         | 32.0101        | 13.7398      | -0.000152    |
| 32.       | 0.        | 0.80475     | 9.8627          | 10.0005         | 8.7617         | 0.102         | 31.9575        | 13.6798      | -0.000158    |
| 33.       | 0.        | 0.80479     | 9.8627          | 10.0005         | 8.7608         | 0.102         | 31.9063        | 13.6298      | -0.000163    |
| 34.       | 0.        | 0.80486     | 9.8628          | 10.0005         | 8.7593         | 0.102         | 31.8554        | 13.5798      | -0.000167    |
| 35.       | 0.        | 0.80496     | 9.8629          | 10.0005         | 8.7573         | 0.101         | 31.8008        | 13.5298      | -0.000172    |
| 36.       | 0.        | 0.80509     | 9.8630          | 10.0005         | 8.7554         | 0.101         | 31.7448        | 13.4698      | -0.000178    |
| 37.       | 0.        | 0.80522     | 9.8631          | 10.0005         | 8.7531         | 0.101         | 31.6917        | 13.4198      | -0.000183    |
| 38.       | 0.        | 0.80538     | 9.8632          | 10.0005         | 8.7500         | 0.101         | 31.6360        | 13.3698      | -0.000188    |
| 39.       | 0.        | 0.80558     | 9.8633          | 10.0005         | 8.7469         | 0.101         | 31.5760        | 13.3098      | -0.000194    |
| 40.       | 0.        | 0.80579     | 9.8634          | 10.0005         | 8.7436         | 0.101         | 31.5155        | 13.2498      | -0.000200    |
| 41.       | 0.        | 0.80600     | 9.8635          | 10.0005         | 8.7401         | 0.101         | 31.4545        | 13.1898      | -0.000207    |
| 42.       | 0.        | 0.80624     | 9.8636          | 10.0005         | 8.7365         | 0.101         | 31.3955        | 13.1298      | -0.000213    |
| 43.       | 0.        | 0.80651     | 9.8637          | 10.0005         | 8.7324         | 0.100         | 31.3403        | 13.0698      | -0.000219    |
| 44.       | 0.        | 0.80679     | 9.8638          | 10.0005         | 8.7274         | 0.100         | 31.2862        | 13.0198      | -0.000225    |
| 45.       | 0.        | 0.80711     | 9.8639          | 10.0005         | 8.7224         | 0.100         | 31.2299        | 12.9598      | -0.000231    |
| 46.       | 0.        | 0.80745     | 9.8640          | 10.0005         | 8.7171         | 0.100         | 31.1734        | 12.8998      | -0.000238    |
| 47.       | 0.        | 0.80780     | 9.8641          | 10.0005         | 8.7116         | 0.100         | 31.1162        | 12.8398      | -0.000245    |
| 48.       | 0.        | 0.80819     | 9.8643          | 10.0005         | 8.7059         | 0.100         | 31.0612        | 12.7797      | -0.000251    |
| 49.       | 0.        | 0.80855     | 9.8643          | 10.0005         | 8.6996         | 0.100         | 31.0074        | 12.7297      | -0.000257    |
| 50.       | 0.        | 0.80897     | 9.8644          | 10.0005         | 8.6933         | 0.099         | 30.9511        | 12.6697      | -0.000264    |
| 51.       | 0.        | 0.80941     | 9.8645          | 10.0005         | 8.6866         | 0.099         | 30.8936        | 12.6097      | -0.000271    |
| 52.       | 0.        | 0.80989     | 9.8647          | 10.0005         | 8.6790         | 0.099         | 30.8360        | 12.5497      | -0.000278    |
| 53.       | 0.        | 0.81042     | 9.8648          | 10.0005         | 8.6707         | 0.099         | 30.7782        | 12.4897      | -0.000286    |
| 54.       | 0.        | 0.81099     | 9.8649          | 10.0005         | 8.6620         | 0.099         | 30.7228        | 12.4297      | -0.000293    |
| 55.       | 0.        | 0.81155     | 9.8650          | 10.0005         | 8.6525         | 0.098         | 30.6682        | 12.3797      | -0.000300    |
| 56.       | 0.        | 0.81219     | 9.8651          | 10.0005         | 8.6428         | 0.098         | 30.6135        | 12.3197      | -0.000307    |
| 57.       | 0.        | 0.81286     | 9.8652          | 10.0005         | 8.6328         | 0.098         | 30.5712        | 12.2697      | -0.000314    |
| 58.       | 0.        | 0.81343     | 9.8652          | 10.0005         | 8.6218         | 0.099         | 30.5397        | 12.2497      | -0.000317    |
| 59.       | 0.        | 0.81410     | 9.8652          | 10.0005         | 8.6107         | 0.100         | 30.5112        | 12.2197      | -0.000322    |

|      |    |         |        |         |        |       |         |         |           |
|------|----|---------|--------|---------|--------|-------|---------|---------|-----------|
| 60.  | 0. | 0.81474 | 9.8653 | 10.0005 | 8.5990 | 0.101 | 30.4846 | 12.1997 | -0.000325 |
| 61.  | 0. | 0.81548 | 9.8653 | 10.0005 | 8.5869 | 0.102 | 30.4582 | 12.1697 | -0.000330 |
| 62.  | 0. | 0.81619 | 9.8654 | 10.0005 | 8.5740 | 0.103 | 30.4326 | 12.1497 | -0.000333 |
| 63.  | 0. | 0.81700 | 9.8654 | 10.0005 | 8.5606 | 0.104 | 30.4069 | 12.1197 | -0.000338 |
| 64.  | 0. | 0.81782 | 9.8654 | 10.0005 | 8.5461 | 0.106 | 30.3846 | 12.0997 | -0.000341 |
| 65.  | 0. | 0.81870 | 9.8655 | 10.0005 | 8.5305 | 0.109 | 30.3623 | 12.0797 | -0.000345 |
| 66.  | 0. | 0.81968 | 9.8655 | 10.0005 | 8.5141 | 0.111 | 30.3403 | 12.0497 | -0.000350 |
| 67.  | 0. | 0.82067 | 9.8656 | 10.0005 | 8.4964 | 0.114 | 30.3192 | 12.0296 | -0.000354 |
| 68.  | 0. | 0.82172 | 9.8656 | 10.0005 | 8.4781 | 0.116 | 30.2900 | 11.9996 | -0.000359 |
| 69.  | 0. | 0.82286 | 9.8657 | 10.0005 | 8.4595 | 0.120 | 30.2501 | 11.9496 | -0.000367 |
| 70.  | 0. | 0.82389 | 9.8658 | 10.0005 | 8.4438 | 0.128 | 30.2106 | 11.8896 | -0.000376 |
| 71.  | 0. | 0.82476 | 9.8659 | 10.0005 | 8.4308 | 0.139 | 30.1727 | 11.8296 | -0.000384 |
| 72.  | 0. | 0.82561 | 9.8661 | 10.0005 | 8.4194 | 0.151 | 30.1369 | 11.7596 | -0.000395 |
| 73.  | 0. | 0.82647 | 9.8662 | 10.0005 | 8.4070 | 0.165 | 30.1067 | 11.6996 | -0.000404 |
| 74.  | 0. | 0.82737 | 9.8663 | 10.0005 | 8.3940 | 0.180 | 30.0801 | 11.6396 | -0.000413 |
| 75.  | 0. | 0.82826 | 9.8664 | 10.0005 | 8.3815 | 0.191 | 30.0576 | 11.5796 | -0.000423 |
| 76.  | 0. | 0.82917 | 9.8665 | 10.0005 | 8.3687 | 0.203 | 30.0391 | 11.5196 | -0.000432 |
| 77.  | 0. | 0.83007 | 9.8666 | 10.0005 | 8.3560 | 0.221 | 30.0210 | 11.4596 | -0.000442 |
| 78.  | 0. | 0.83101 | 9.8668 | 10.0005 | 8.3441 | 0.243 | 30.0049 | 11.3895 | -0.000453 |
| 79.  | 0. | 0.83189 | 9.8669 | 10.0005 | 8.3323 | 0.260 | 29.9962 | 11.3295 | -0.000463 |
| 80.  | 0. | 0.83284 | 9.8670 | 10.0005 | 8.3196 | 0.280 | 29.9947 | 11.2695 | -0.000473 |
| 81.  | 0. | 0.83385 | 9.8671 | 10.0005 | 8.3059 | 0.302 | 30.0003 | 11.2095 | -0.000483 |
| 82.  | 0. | 0.83489 | 9.8672 | 10.0005 | 8.2919 | 0.323 | 30.0114 | 11.1495 | -0.000494 |
| 83.  | 0. | 0.83591 | 9.8673 | 10.0005 | 8.2781 | 0.338 | 30.0243 | 11.0895 | -0.000505 |
| 84.  | 0. | 0.83705 | 9.8675 | 10.0005 | 8.2641 | 0.350 | 30.0386 | 11.0195 | -0.000517 |
| 85.  | 0. | 0.83812 | 9.8676 | 10.0005 | 8.2500 | 0.353 | 30.0493 | 10.9595 | -0.000528 |
| 86.  | 0. | 0.83922 | 9.8677 | 10.0005 | 8.2358 | 0.352 | 30.0617 | 10.8995 | -0.000539 |
| 87.  | 0. | 0.84027 | 9.8678 | 10.0005 | 8.2227 | 0.352 | 30.0704 | 10.8394 | -0.000551 |
| 88.  | 0. | 0.84137 | 9.8679 | 10.0005 | 8.2093 | 0.353 | 30.0833 | 10.7794 | -0.000563 |
| 89.  | 0. | 0.84231 | 9.8680 | 10.0005 | 8.1972 | 0.351 | 30.0798 | 10.7294 | -0.000573 |
| 90.  | 0. | 0.84332 | 9.8681 | 10.0005 | 8.1856 | 0.346 | 30.0726 | 10.6694 | -0.000585 |
| 91.  | 0. | 0.84429 | 9.8682 | 10.0005 | 8.1750 | 0.337 | 30.0612 | 10.6094 | -0.000597 |
| 92.  | 0. | 0.84517 | 9.8683 | 10.0005 | 8.1646 | 0.332 | 30.0508 | 10.5594 | -0.000608 |
| 93.  | 0. | 0.84613 | 9.8685 | 10.0005 | 8.1544 | 0.327 | 30.0388 | 10.4994 | -0.000620 |
| 94.  | 0. | 0.84706 | 9.8686 | 10.0005 | 8.1448 | 0.324 | 30.0260 | 10.4394 | -0.000633 |
| 95.  | 0. | 0.84791 | 9.8687 | 10.0005 | 8.1354 | 0.321 | 30.0127 | 10.3894 | -0.000644 |
| 96.  | 0. | 0.84879 | 9.8688 | 10.0005 | 8.1267 | 0.314 | 29.9928 | 10.3293 | -0.000657 |
| 97.  | 0. | 0.84969 | 9.8689 | 10.0005 | 8.1182 | 0.310 | 29.9749 | 10.2693 | -0.000670 |
| 98.  | 0. | 0.85046 | 9.8690 | 10.0005 | 8.1104 | 0.311 | 29.9577 | 10.2193 | -0.000681 |
| 99.  | 0. | 0.85130 | 9.8691 | 10.0005 | 8.1032 | 0.310 | 29.9399 | 10.1593 | -0.000694 |
| 100. | 0. | 0.85207 | 9.8692 | 10.0005 | 8.0956 | 0.311 | 29.9226 | 10.1093 | -0.000705 |
| 101. | 0. | 0.85293 | 9.8693 | 10.0005 | 8.0883 | 0.313 | 29.9007 | 10.0493 | -0.000719 |
| 102. | 0. | 0.85379 | 9.8695 | 10.0005 | 8.0809 | 0.318 | 29.8773 | 9.9893  | -0.000732 |
| 103. | 0. | 0.85463 | 9.8696 | 10.0005 | 8.0740 | 0.322 | 29.8514 | 9.9293  | -0.000746 |
| 104. | 0. | 0.85546 | 9.8697 | 10.0005 | 8.0674 | 0.325 | 29.8251 | 9.8692  | -0.000760 |
| 105. | 0. | 0.85628 | 9.8698 | 10.0005 | 8.0611 | 0.326 | 29.7963 | 9.8092  | -0.000775 |
| 106. | 0. | 0.85707 | 9.8699 | 10.0005 | 8.0554 | 0.328 | 29.7668 | 9.7492  | -0.000789 |
| 107. | 0. | 0.85786 | 9.8700 | 10.0005 | 8.0500 | 0.330 | 29.7376 | 9.6892  | -0.000803 |
| 108. | 0. | 0.85865 | 9.8702 | 10.0005 | 8.0447 | 0.333 | 29.7089 | 9.6292  | -0.000818 |
| 109. | 0. | 0.85946 | 9.8703 | 10.0005 | 8.0392 | 0.336 | 29.6806 | 9.5692  | -0.000833 |
| 110. | 0. | 0.86029 | 9.8704 | 10.0005 | 8.0337 | 0.336 | 29.6514 | 9.5092  | -0.000848 |
| 111. | 0. | 0.86113 | 9.8705 | 10.0005 | 8.0280 | 0.336 | 29.6224 | 9.4491  | -0.000863 |
| 112. | 0. | 0.86200 | 9.8706 | 10.0005 | 8.0223 | 0.336 | 29.5963 | 9.3891  | -0.000879 |
| 113. | 0. | 0.86281 | 9.8707 | 10.0005 | 8.0159 | 0.335 | 29.5719 | 9.3391  | -0.000893 |
| 114. | 0. | 0.86372 | 9.8708 | 10.0005 | 8.0097 | 0.334 | 29.5448 | 9.2791  | -0.000909 |
| 115. | 0. | 0.86464 | 9.8710 | 10.0005 | 8.0035 | 0.332 | 29.5165 | 9.2191  | -0.000926 |
| 116. | 0. | 0.86557 | 9.8711 | 10.0005 | 7.9974 | 0.327 | 29.4870 | 9.1591  | -0.000942 |
| 117. | 0. | 0.86652 | 9.8712 | 10.0005 | 7.9911 | 0.322 | 29.4585 | 9.0990  | -0.000960 |
| 118. | 0. | 0.86749 | 9.8713 | 10.0005 | 7.9846 | 0.317 | 29.4305 | 9.0390  | -0.000977 |
| 119. | 0. | 0.86845 | 9.8714 | 10.0005 | 7.9782 | 0.315 | 29.3994 | 8.9790  | -0.000995 |
| 120. | 0. | 0.86952 | 9.8716 | 10.0005 | 7.9723 | 0.316 | 29.3642 | 8.9090  | -0.001016 |
| 121. | 0. | 0.87053 | 9.8717 | 10.0005 | 7.9662 | 0.317 | 29.3347 | 8.8490  | -0.001034 |
| 122. | 0. | 0.87138 | 9.8718 | 10.0005 | 7.9592 | 0.319 | 29.3141 | 8.8090  | -0.001047 |
| 123. | 0. | 0.87225 | 9.8718 | 10.0005 | 7.9521 | 0.323 | 29.2952 | 8.7689  | -0.001061 |
| 124. | 0. | 0.87315 | 9.8719 | 10.0005 | 7.9450 | 0.328 | 29.2787 | 8.7289  | -0.001075 |
| 125. | 0. | 0.87395 | 9.8720 | 10.0005 | 7.9374 | 0.332 | 29.2637 | 8.6989  | -0.001086 |
| 126. | 0. | 0.87486 | 9.8721 | 10.0005 | 7.9304 | 0.336 | 29.2444 | 8.6589  | -0.001100 |

|      |    |         |        |         |        |       |         |        |           |
|------|----|---------|--------|---------|--------|-------|---------|--------|-----------|
| 127. | 0. | 0.87576 | 9.8721 | 10.0005 | 7.9234 | 0.340 | 29.2237 | 8.6189 | -0.001114 |
| 128. | 0. | 0.87663 | 9.8722 | 10.0005 | 7.9170 | 0.344 | 29.2007 | 8.5789 | -0.001128 |
| 129. | 0. | 0.87745 | 9.8723 | 10.0005 | 7.9114 | 0.349 | 29.1753 | 8.5389 | -0.001142 |
| 130. | 0. | 0.87828 | 9.8724 | 10.0005 | 7.9061 | 0.354 | 29.1510 | 8.4988 | -0.001157 |
| 131. | 0. | 0.87897 | 9.8724 | 10.0005 | 7.9008 | 0.357 | 29.1256 | 8.4688 | -0.001168 |
| 132. | 0. | 0.87972 | 9.8725 | 10.0005 | 7.8967 | 0.360 | 29.0934 | 8.4288 | -0.001183 |
| 133. | 0. | 0.88045 | 9.8726 | 10.0005 | 7.8929 | 0.361 | 29.0605 | 8.3888 | -0.001198 |
| 134. | 0. | 0.88116 | 9.8727 | 10.0005 | 7.8896 | 0.361 | 29.0274 | 8.3488 | -0.001212 |
| 135. | 0. | 0.88183 | 9.8727 | 10.0005 | 7.8870 | 0.357 | 28.9923 | 8.3088 | -0.001227 |
| 136. | 0. | 0.88248 | 9.8728 | 10.0005 | 7.8848 | 0.351 | 28.9565 | 8.2688 | -0.001242 |
| 137. | 0. | 0.88312 | 9.8729 | 10.0005 | 7.8830 | 0.343 | 28.9221 | 8.2287 | -0.001257 |
| 138. | 0. | 0.88362 | 9.8729 | 10.0005 | 7.8812 | 0.334 | 28.8895 | 8.1987 | -0.001269 |
| 139. | 0. | 0.88420 | 9.8730 | 10.0005 | 7.8804 | 0.326 | 28.8522 | 8.1587 | -0.001284 |
| 140. | 0. | 0.88475 | 9.8731 | 10.0005 | 7.8800 | 0.319 | 28.8128 | 8.1187 | -0.001299 |
| 141. | 0. | 0.88531 | 9.8732 | 10.0005 | 7.8802 | 0.311 | 28.7789 | 8.0787 | -0.001315 |
| 142. | 0. | 0.88561 | 9.8732 | 10.0005 | 7.8797 | 0.303 | 28.7509 | 8.0587 | -0.001323 |
| 143. | 0. | 0.88599 | 9.8733 | 10.0005 | 7.8805 | 0.293 | 28.7182 | 8.0287 | -0.001336 |
| 144. | 0. | 0.88635 | 9.8733 | 10.0005 | 7.8817 | 0.283 | 28.6851 | 7.9987 | -0.001348 |
| 145. | 0. | 0.88667 | 9.8734 | 10.0005 | 7.8832 | 0.275 | 28.6502 | 7.9686 | -0.001360 |
| 146. | 0. | 0.88708 | 9.8735 | 10.0005 | 7.8857 | 0.267 | 28.6110 | 7.9286 | -0.001376 |
| 147. | 0. | 0.88747 | 9.8735 | 10.0005 | 7.8887 | 0.261 | 28.5742 | 7.8886 | -0.001392 |
| 148. | 0. | 0.88772 | 9.8736 | 10.0005 | 7.8915 | 0.255 | 28.5387 | 7.8586 | -0.001405 |
| 149. | 0. | 0.88808 | 9.8737 | 10.0005 | 7.8950 | 0.249 | 28.4997 | 7.8186 | -0.001421 |
| 150. | 0. | 0.88841 | 9.8738 | 10.0005 | 7.8989 | 0.246 | 28.4593 | 7.7786 | -0.001437 |
| 151. | 0. | 0.88874 | 9.8738 | 10.0005 | 7.9030 | 0.242 | 28.4208 | 7.7385 | -0.001454 |
| 152. | 0. | 0.88896 | 9.8739 | 10.0005 | 7.9065 | 0.238 | 28.3863 | 7.7085 | -0.001467 |
| 153. | 0. | 0.88933 | 9.8740 | 10.0005 | 7.9101 | 0.237 | 28.3487 | 7.6685 | -0.001483 |
| 154. | 0. | 0.88971 | 9.8741 | 10.0005 | 7.9135 | 0.236 | 28.3104 | 7.6285 | -0.001501 |
| 155. | 0. | 0.89015 | 9.8741 | 10.0005 | 7.9164 | 0.240 | 28.2758 | 7.5885 | -0.001518 |
| 156. | 0. | 0.89050 | 9.8742 | 10.0005 | 7.9179 | 0.249 | 28.2467 | 7.5585 | -0.001531 |
| 157. | 0. | 0.89102 | 9.8743 | 10.0005 | 7.9194 | 0.257 | 28.2145 | 7.5185 | -0.001549 |
| 158. | 0. | 0.89158 | 9.8743 | 10.0005 | 7.9204 | 0.267 | 28.1830 | 7.4784 | -0.001567 |
| 159. | 0. | 0.89219 | 9.8744 | 10.0005 | 7.9209 | 0.277 | 28.1540 | 7.4384 | -0.001585 |
| 160. | 0. | 0.89268 | 9.8745 | 10.0005 | 7.9206 | 0.287 | 28.1284 | 7.4084 | -0.001600 |
| 161. | 0. | 0.89331 | 9.8746 | 10.0005 | 7.9207 | 0.298 | 28.0982 | 7.3684 | -0.001618 |
| 162. | 0. | 0.89397 | 9.8746 | 10.0005 | 7.9206 | 0.310 | 28.0679 | 7.3284 | -0.001637 |
| 163. | 0. | 0.89467 | 9.8747 | 10.0005 | 7.9201 | 0.322 | 28.0398 | 7.2883 | -0.001657 |
| 164. | 0. | 0.89525 | 9.8748 | 10.0005 | 7.9183 | 0.331 | 28.0116 | 7.2583 | -0.001672 |
| 165. | 0. | 0.89627 | 9.8749 | 10.0005 | 7.9178 | 0.339 | 27.9684 | 7.1983 | -0.001701 |
| 166. | 0. | 0.89728 | 9.8750 | 10.0005 | 7.9173 | 0.347 | 27.9165 | 7.1383 | -0.001731 |
| 167. | 0. | 0.89845 | 9.8752 | 10.0005 | 7.9176 | 0.355 | 27.8576 | 7.0682 | -0.001766 |
| 168. | 0. | 0.89947 | 9.8753 | 10.0005 | 7.9175 | 0.361 | 27.8013 | 7.0082 | -0.001797 |
| 169. | 0. | 0.89777 | 9.8755 | 10.0005 | 7.9101 | 0.368 | 27.1185 | 6.9482 | -0.001839 |
| 170. | 0. | 0.94652 | 9.8802 | 10.0005 | 8.0918 | 0.335 | 25.4352 | 4.6363 | -0.003701 |
| 171. | 0. | 0.95642 | 9.8809 | 10.0005 | 8.1066 | 0.344 | 24.8874 | 4.3158 | -0.004192 |
| 172. | 0. | 0.95643 | 9.8809 | 10.0005 | 8.0818 | 0.364 | 24.7747 | 4.3358 | -0.004171 |
| 173. | 0. | 0.95868 | 9.8811 | 10.0005 | 8.0744 | 0.374 | 24.6912 | 4.2857 | -0.004262 |
| 174. | 0. | 0.96075 | 9.8812 | 10.0005 | 8.0662 | 0.379 | 24.6547 | 4.2457 | -0.004337 |
| 175. | 0. | 0.96181 | 9.8813 | 10.0005 | 8.0551 | 0.385 | 24.6523 | 4.2356 | -0.004362 |
| 176. | 0. | 0.96327 | 9.8814 | 10.0005 | 8.0453 | 0.387 | 24.6546 | 4.2156 | -0.004403 |
| 177. | 0. | 0.96402 | 9.8814 | 10.0005 | 8.0333 | 0.390 | 24.6734 | 4.2156 | -0.004411 |
| 178. | 0. | 0.96510 | 9.8815 | 10.0005 | 8.0226 | 0.394 | 24.6818 | 4.2056 | -0.004435 |
| 179. | 0. | 0.96694 | 9.8816 | 10.0005 | 8.0139 | 0.396 | 24.6831 | 4.1755 | -0.004495 |
| 180. | 0. | 0.96780 | 9.8816 | 10.0005 | 8.0027 | 0.396 | 24.7418 | 4.1755 | -0.004500 |
| 181. | 0. | 0.96622 | 9.8816 | 10.0005 | 7.9844 | 0.397 | 24.8680 | 4.2456 | -0.004382 |
| 182. | 0. | 0.96525 | 9.8815 | 10.0005 | 7.9693 | 0.395 | 24.9522 | 4.2957 | -0.004303 |
| 183. | 0. | 0.96617 | 9.8815 | 10.0005 | 7.9614 | 0.392 | 24.9513 | 4.2857 | -0.004326 |
| 184. | 0. | 0.96923 | 9.8817 | 10.0005 | 7.9601 | 0.388 | 24.9188 | 4.2155 | -0.004451 |
| 185. | 0. | 0.96934 | 9.8817 | 10.0005 | 7.9480 | 0.396 | 24.9940 | 4.2356 | -0.004421 |
| 186. | 0. | 0.96759 | 9.8816 | 10.0005 | 7.9296 | 0.409 | 25.0661 | 4.3057 | -0.004309 |
| 187. | 0. | 0.97102 | 9.8818 | 10.0005 | 7.9287 | 0.412 | 25.0246 | 4.2255 | -0.004450 |
| 188. | 0. | 0.97247 | 9.8819 | 10.0005 | 7.9197 | 0.411 | 25.0382 | 4.2055 | -0.004492 |
| 189. | 0. | 0.97290 | 9.8819 | 10.0005 | 7.9074 | 0.405 | 25.0764 | 4.2155 | -0.004481 |
| 190. | 0. | 0.97335 | 9.8820 | 10.0005 | 7.8960 | 0.398 | 25.1216 | 4.2255 | -0.004469 |
| 191. | 0. | 0.97310 | 9.8819 | 10.0005 | 7.8827 | 0.397 | 25.1825 | 4.2556 | -0.004424 |
| 192. | 0. | 0.97317 | 9.8819 | 10.0005 | 7.8706 | 0.402 | 25.2239 | 4.2756 | -0.004396 |
| 193. | 0. | 0.97420 | 9.8820 | 10.0005 | 7.8617 | 0.406 | 25.2255 | 4.2656 | -0.004420 |

|      |    |         |        |         |        |       |         |        |           |
|------|----|---------|--------|---------|--------|-------|---------|--------|-----------|
| 194. | 0. | 0.97625 | 9.8821 | 10.0005 | 7.8555 | 0.412 | 25.1924 | 4.2255 | -0.004496 |
| 195. | 0. | 0.97896 | 9.8823 | 10.0005 | 7.8522 | 0.413 | 25.1306 | 4.1654 | -0.004610 |
| 196. | 0. | 0.98143 | 9.8824 | 10.0005 | 7.8480 | 0.416 | 25.0985 | 4.1153 | -0.004709 |
| 197. | 0. | 0.98116 | 9.8824 | 10.0005 | 7.8340 | 0.422 | 25.1589 | 4.1453 | -0.004660 |
| 198. | 0. | 0.98028 | 9.8823 | 10.0005 | 7.8179 | 0.427 | 25.2492 | 4.1954 | -0.004576 |
| 199. | 0. | 0.97975 | 9.8823 | 10.0005 | 7.8040 | 0.430 | 25.3361 | 4.2355 | -0.004512 |
| 200. | 0. | 0.97914 | 9.8822 | 10.0005 | 7.7905 | 0.429 | 25.4092 | 4.2756 | -0.004448 |
| 201. | 0. | 0.97973 | 9.8823 | 10.0005 | 7.7823 | 0.425 | 25.4209 | 4.2755 | -0.004454 |
| 202. | 0. | 0.98165 | 9.8824 | 10.0005 | 7.7800 | 0.419 | 25.4080 | 4.2355 | -0.004527 |
| 203. | 0. | 0.98126 | 9.8823 | 10.0005 | 7.7690 | 0.418 | 25.4647 | 4.2655 | -0.004480 |
| 204. | 0. | 0.98073 | 9.8823 | 10.0005 | 7.7582 | 0.417 | 25.4892 | 4.2956 | -0.004435 |
| 205. | 0. | 0.98308 | 9.8823 | 10.0005 | 7.7586 | 0.413 | 25.4196 | 4.2355 | -0.004541 |
| 206. | 0. | 0.98588 | 9.8825 | 10.0005 | 7.7610 | 0.408 | 25.3485 | 4.1653 | -0.004670 |
| 207. | 0. | 0.98636 | 9.8826 | 10.0005 | 7.7546 | 0.408 | 25.3540 | 4.1653 | -0.004675 |
| 208. | 0. | 0.98563 | 9.8825 | 10.0005 | 7.7422 | 0.412 | 25.4191 | 4.2054 | -0.004608 |
| 209. | 0. | 0.98497 | 9.8825 | 10.0005 | 7.7302 | 0.413 | 25.4962 | 4.2455 | -0.004543 |
| 210. | 0. | 0.98420 | 9.8824 | 10.0005 | 7.7181 | 0.413 | 25.5428 | 4.2855 | -0.004480 |
| 211. | 0. | 0.98556 | 9.8824 | 10.0005 | 7.7154 | 0.409 | 25.4940 | 4.2555 | -0.004536 |
| 212. | 0. | 0.98862 | 9.8826 | 10.0005 | 7.7196 | 0.400 | 25.4008 | 4.1753 | -0.004681 |
| 213. | 0. | 0.98998 | 9.8828 | 10.0005 | 7.7175 | 0.391 | 25.3422 | 4.1453 | -0.004741 |
| 214. | 0. | 0.99123 | 9.8828 | 10.0005 | 7.7140 | 0.386 | 25.3425 | 4.1252 | -0.004782 |
| 215. | 0. | 0.98932 | 9.8827 | 10.0005 | 7.6973 | 0.390 | 25.4909 | 4.2054 | -0.004641 |
| 216. | 0. | 0.98582 | 9.8825 | 10.0005 | 7.6742 | 0.397 | 25.6639 | 4.3356 | -0.004425 |
| 217. | 0. | 0.98581 | 9.8824 | 10.0005 | 7.6655 | 0.400 | 25.7134 | 4.3556 | -0.004396 |
| 218. | 0. | 0.98672 | 9.8825 | 10.0005 | 7.6604 | 0.403 | 25.7278 | 4.3456 | -0.004416 |
| 219. | 0. | 0.98697 | 9.8825 | 10.0005 | 7.6526 | 0.406 | 25.7535 | 4.3556 | -0.004405 |
| 220. | 0. | 0.98716 | 9.8825 | 10.0005 | 7.6450 | 0.408 | 25.7671 | 4.3656 | -0.004393 |
| 221. | 0. | 0.98794 | 9.8825 | 10.0005 | 7.6398 | 0.406 | 25.7564 | 4.3556 | -0.004414 |
| 222. | 0. | 0.98928 | 9.8826 | 10.0005 | 7.6360 | 0.401 | 25.7059 | 4.3255 | -0.004468 |
| 223. | 0. | 0.99288 | 9.8828 | 10.0005 | 7.6419 | 0.397 | 25.5837 | 4.2254 | -0.004643 |
| 224. | 0. | 0.99561 | 9.8830 | 10.0005 | 7.6432 | 0.395 | 25.4848 | 4.1552 | -0.004774 |
| 225. | 0. | 0.99807 | 9.8832 | 10.0005 | 7.6434 | 0.396 | 25.3995 | 4.0951 | -0.004891 |
| 226. | 0. | 0.99995 | 9.8833 | 10.0005 | 7.6409 | 0.400 | 25.3464 | 4.0550 | -0.004974 |
| 227. | 0. | 1.00044 | 9.8834 | 10.0005 | 7.6325 | 0.403 | 25.3240 | 4.0550 | -0.004980 |
| 228. | 0. | 1.00207 | 9.8835 | 10.0005 | 7.6286 | 0.406 | 25.2884 | 4.0250 | -0.005045 |
| 229. | 0. | 1.00235 | 9.8835 | 10.0005 | 7.6194 | 0.403 | 25.3095 | 4.0350 | -0.005031 |
| 230. | 0. | 1.00163 | 9.8835 | 10.0005 | 7.6049 | 0.397 | 25.3599 | 4.0750 | -0.004960 |
| 231. | 0. | 1.00257 | 9.8835 | 10.0005 | 7.5979 | 0.387 | 25.3483 | 4.0650 | -0.004985 |
| 232. | 0. | 1.00409 | 9.8836 | 10.0005 | 7.5939 | 0.379 | 25.2922 | 4.0349 | -0.005050 |
| 233. | 0. | 1.00701 | 9.8838 | 10.0005 | 7.5956 | 0.373 | 25.1868 | 3.9648 | -0.005198 |
| 234. | 0. | 1.00986 | 9.8841 | 10.0005 | 7.5965 | 0.368 | 25.0454 | 3.8946 | -0.005354 |
| 235. | 0. | 1.01596 | 9.8845 | 10.0005 | 7.6092 | 0.361 | 24.8390 | 3.7443 | -0.005701 |
| 236. | 0. | 1.01957 | 9.8848 | 10.0005 | 7.6109 | 0.357 | 24.7146 | 3.6641 | -0.005904 |
| 237. | 0. | 1.02077 | 9.8850 | 10.0005 | 7.6026 | 0.356 | 24.6401 | 3.6440 | -0.005963 |
| 238. | 0. | 1.02419 | 9.8853 | 10.0005 | 7.6029 | 0.356 | 24.5498 | 3.5738 | -0.006152 |
| 239. | 0. | 1.02367 | 9.8854 | 10.0005 | 7.5863 | 0.357 | 24.6055 | 3.6039 | -0.006078 |
| 240. | 0. | 1.02116 | 9.8854 | 10.0005 | 7.5628 | 0.357 | 24.7179 | 3.6841 | -0.005880 |
| 241. | 0. | 1.02044 | 9.8854 | 10.0005 | 7.5477 | 0.356 | 24.8274 | 3.7242 | -0.005785 |
| 242. | 0. | 1.01708 | 9.8853 | 10.0005 | 7.5228 | 0.355 | 25.0064 | 3.8345 | -0.005533 |
| 243. | 0. | 1.01471 | 9.8852 | 10.0005 | 7.5036 | 0.352 | 25.0932 | 3.9146 | -0.005363 |
| 244. | 0. | 1.01653 | 9.8852 | 10.0005 | 7.5024 | 0.344 | 25.0311 | 3.8745 | -0.005452 |
| 245. | 0. | 1.01901 | 9.8854 | 10.0005 | 7.5046 | 0.332 | 24.9187 | 3.8144 | -0.005591 |
| 246. | 0. | 1.02235 | 9.8857 | 10.0005 | 7.5093 | 0.325 | 24.7931 | 3.7342 | -0.005783 |
| 247. | 0. | 1.02421 | 9.8859 | 10.0005 | 7.5070 | 0.319 | 24.6989 | 3.6941 | -0.005886 |
| 248. | 0. | 1.02648 | 9.8861 | 10.0005 | 7.5058 | 0.311 | 24.5856 | 3.6440 | -0.006018 |
| 249. | 0. | 1.02972 | 9.8864 | 10.0005 | 7.5067 | 0.307 | 24.4733 | 3.5738 | -0.006207 |
| 250. | 0. | 1.03135 | 9.8867 | 10.0005 | 7.5001 | 0.302 | 24.3909 | 3.5437 | -0.006295 |
| 251. | 0. | 1.03429 | 9.8870 | 10.0005 | 7.4990 | 0.297 | 24.2852 | 3.4835 | -0.006469 |
| 252. | 0. | 1.03524 | 9.8873 | 10.0005 | 7.4891 | 0.302 | 24.2548 | 3.4735 | -0.006503 |
| 253. | 0. | 1.03413 | 9.8874 | 10.0005 | 7.4704 | 0.310 | 24.2901 | 3.5136 | -0.006395 |
| 254. | 0. | 1.03418 | 9.8875 | 10.0005 | 7.4582 | 0.311 | 24.2759 | 3.5236 | -0.006373 |
| 255. | 0. | 1.03495 | 9.8878 | 10.0005 | 7.4489 | 0.308 | 24.2147 | 3.5136 | -0.006407 |
| 256. | 0. | 1.03909 | 9.8881 | 10.0005 | 7.4534 | 0.303 | 24.0599 | 3.4233 | -0.006674 |
| 257. | 0. | 1.04203 | 9.8885 | 10.0005 | 7.4514 | 0.300 | 23.9228 | 3.3631 | -0.006864 |
| 258. | 0. | 1.04454 | 9.8889 | 10.0005 | 7.4458 | 0.301 | 23.7724 | 3.3130 | -0.007032 |
| 259. | 0. | 1.04994 | 9.8895 | 10.0005 | 7.4497 | 0.300 | 23.5447 | 3.2026 | -0.007413 |
| 260. | 0. | 1.05454 | 9.8902 | 10.0005 | 7.4469 | 0.298 | 23.3004 | 3.1122 | -0.007753 |

|      |    |         |         |         |        |         |         |        |           |
|------|----|---------|---------|---------|--------|---------|---------|--------|-----------|
| 261. | 0. | 1.06152 | 9.8910  | 10.0005 | 7.4486 | 0.294   | 23.0037 | 2.9817 | -0.008283 |
| 262. | 0. | 1.06549 | 9.8918  | 10.0005 | 7.4348 | 0.298   | 22.7486 | 2.9114 | -0.008597 |
| 263. | 0. | 1.07152 | 9.8929  | 10.0005 | 7.4271 | 0.302   | 22.3501 | 2.8009 | -0.009122 |
| 264. | 0. | 1.08161 | 9.8944  | 10.0005 | 7.4352 | 0.293   | 21.7231 | 2.6099 | -0.010103 |
| 265. | 0. | 1.09079 | 9.8964  | 10.0005 | 7.4398 | 0.269   | 20.9957 | 2.4188 | -0.011157 |
| 266. | 0. | 1.09696 | 9.8987  | 10.0005 | 7.4239 | 0.255   | 20.3656 | 2.2680 | -0.011993 |
| 267. | 0. | 1.09377 | 9.9008  | 10.0005 | 7.3656 | 0.255   | 19.8977 | 2.2482 | -0.011833 |
| 268. | 0. | 1.09949 | 9.9034  | 10.0005 | 7.3436 | 0.238   | 19.2044 | 2.0872 | -0.012780 |
| 269. | 0. | 1.09666 | 9.9058  | 10.0005 | 7.2867 | 0.231   | 18.6443 | 2.0272 | -0.012779 |
| 270. | 0. | 1.09707 | 9.9084  | 10.0005 | 7.2426 | 0.219   | 18.0246 | 1.9067 | -0.013261 |
| 271. | 0. | 1.09090 | 9.9108  | 10.0005 | 7.1773 | 0.212   | 17.4985 | 1.8471 | -0.012943 |
| 272. | 0. | 1.08637 | 9.9133  | 10.0005 | 7.1268 | 0.191   | 16.8067 | 1.7370 | -0.013003 |
| 273. | 0. | 1.08373 | 9.9161  | 10.0005 | 7.0939 | 0.159   | 16.0035 | 1.5464 | -0.013649 |
| 274. | 0. | 1.06655 | 9.9187  | 10.0005 | 7.0075 | 0.133   | 15.5497 | 1.4580 | -0.012026 |
| 275. | 0. | 1.03746 | 9.9207  | 10.0005 | 6.8872 | 0.134   | 15.3456 | 1.4816 | -0.008391 |
| 276. | 0. | 1.02184 | 9.9225  | 10.0005 | 6.7972 | 0.112   | 14.8894 | 1.3831 | -0.006933 |
| 277. | 0. | 1.00758 | 9.9238  | 10.0005 | 6.7089 | 0.104   | 14.2544 | 1.2241 | -0.005936 |
| 278. | 0. | 0.98919 | 9.9234  | 10.0005 | 6.5914 | 0.184   | 13.6112 | 1.0557 | -0.004269 |
| 279. | 0. | 0.94629 | 9.9239  | 10.0005 | 6.5071 | 0.159   | 12.1209 | 0.9009 | 0.000914  |
| 280. | 0. | 0.91846 | 9.9248  | 10.0005 | 6.3931 | 0.109   | 11.0220 | 0.6435 | 0.003469  |
| 281. | 0. | 0.27316 | 12.7165 | 12.4477 | 8.9414 | 359.253 | 16.4898 | 0.1721 | 0.162068  |