

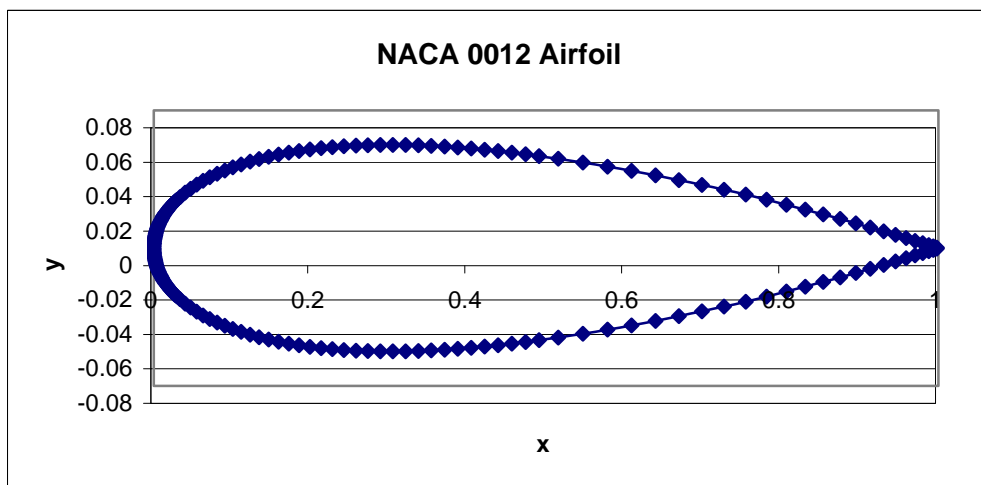
| $\alpha = 0$ | | | | | | |
|--------------|---------|----------|----------|-------|----------|----------|
| J | X(J) | Y(J) | Q(J) | GAMMA | CP(J) | V(J) |
| 1 | 0.99803 | -0.00028 | -0.12093 | 0 | 0.35947 | -0.80033 |
| 2 | 0.9936 | -0.00093 | -0.13046 | 0 | 0.28409 | -0.84611 |
| 3 | 0.98772 | -0.00178 | -0.13086 | 0 | 0.23566 | -0.87427 |
| 4 | 0.97991 | -0.00289 | -0.13442 | 0 | 0.19702 | -0.89609 |
| 5 | 0.9702 | -0.00427 | -0.13596 | 0 | 0.16293 | -0.91492 |
| 6 | 0.95864 | -0.00589 | -0.13745 | 0 | 0.13213 | -0.9316 |
| 7 | 0.94527 | -0.00773 | -0.13567 | 0 | 0.10498 | -0.94606 |
| 8 | 0.93015 | -0.00977 | -0.13688 | 0 | 0.08032 | -0.959 |
| 9 | 0.91332 | -0.01201 | -0.13528 | 0 | 0.05675 | -0.97121 |
| 10 | 0.89487 | -0.01441 | -0.13472 | 0 | 0.0349 | -0.9824 |
| 11 | 0.87485 | -0.01695 | -0.13284 | 0 | 0.01408 | -0.99293 |
| 12 | 0.85335 | -0.01963 | -0.13208 | 0 | -0.00603 | -1.00301 |
| 13 | 0.83046 | -0.02239 | -0.12943 | 0 | -0.02569 | -1.01276 |
| 14 | 0.80627 | -0.02524 | -0.12716 | 0 | -0.04424 | -1.02188 |
| 15 | 0.78087 | -0.02813 | -0.12574 | 0 | -0.06315 | -1.03109 |
| 16 | 0.75436 | -0.03104 | -0.12139 | 0 | -0.08212 | -1.04025 |
| 17 | 0.72685 | -0.03392 | -0.1151 | 0 | -0.09851 | -1.0481 |
| 18 | 0.69843 | -0.03677 | -0.11319 | 0 | -0.11417 | -1.05554 |
| 19 | 0.66923 | -0.03955 | -0.10775 | 0 | -0.13014 | -1.06308 |
| 20 | 0.63937 | -0.04225 | -0.10493 | 0 | -0.14556 | -1.07031 |
| 21 | 0.60896 | -0.04487 | -0.10068 | 0 | -0.16177 | -1.07786 |
| 22 | 0.57812 | -0.04737 | -0.0971 | 0 | -0.17858 | -1.08562 |
| 23 | 0.54697 | -0.04972 | -0.09122 | 0 | -0.19585 | -1.09355 |
| 24 | 0.51563 | -0.0519 | -0.08532 | 0 | -0.21265 | -1.1012 |
| 25 | 0.49121 | -0.05347 | -0.08053 | 0 | -0.2273 | -1.10784 |
| 26 | 0.47377 | -0.0545 | -0.077 | 0 | -0.23702 | -1.11222 |
| 27 | 0.45636 | -0.05546 | -0.07277 | 0 | -0.24714 | -1.11675 |
| 28 | 0.439 | -0.05635 | -0.06811 | 0 | -0.25728 | -1.12128 |
| 29 | 0.42172 | -0.05714 | -0.06269 | 0 | -0.26709 | -1.12565 |
| 30 | 0.40454 | -0.05785 | -0.05784 | 0 | -0.27684 | -1.12997 |
| 31 | 0.38747 | -0.05846 | -0.05227 | 0 | -0.28694 | -1.13444 |
| 32 | 0.37054 | -0.05898 | -0.04593 | 0 | -0.2969 | -1.13882 |
| 33 | 0.35376 | -0.0594 | -0.03927 | 0 | -0.3066 | -1.14307 |
| 34 | 0.33717 | -0.05971 | -0.0321 | 0 | -0.31611 | -1.14722 |
| 35 | 0.32077 | -0.05991 | -0.02436 | 0 | -0.32517 | -1.15116 |
| 36 | 0.30458 | -0.06 | -0.017 | 0 | -0.33422 | -1.15508 |
| 37 | 0.28864 | -0.05997 | -0.0085 | 0 | -0.34339 | -1.15905 |
| 38 | 0.27296 | -0.05983 | 0.00066 | 0 | -0.35217 | -1.16283 |
| 39 | 0.25756 | -0.05957 | 0.01055 | 0 | -0.36051 | -1.16641 |
| 40 | 0.24245 | -0.05919 | 0.02127 | 0 | -0.368 | -1.16962 |
| 41 | 0.22765 | -0.05868 | 0.03127 | 0 | -0.37543 | -1.17279 |
| 42 | 0.21319 | -0.05806 | 0.04338 | 0 | -0.38266 | -1.17586 |
| 43 | 0.19907 | -0.0573 | 0.05602 | 0 | -0.38876 | -1.17846 |
| 44 | 0.18532 | -0.05642 | 0.06917 | 0 | -0.39397 | -1.18067 |
| 45 | 0.17195 | -0.05542 | 0.08238 | 0 | -0.39871 | -1.18267 |
| 46 | 0.15898 | -0.0543 | 0.09629 | 0 | -0.40352 | -1.1847 |
| 47 | 0.14643 | -0.05307 | 0.11248 | 0 | -0.40763 | -1.18644 |
| 48 | 0.13431 | -0.0517 | 0.13018 | 0 | -0.40998 | -1.18743 |
| 49 | 0.12264 | -0.05022 | 0.14845 | 0 | -0.41073 | -1.18774 |
| 50 | 0.11142 | -0.04863 | 0.16774 | 0 | -0.41013 | -1.18749 |

| | | | | | | |
|-----|---------|----------|---------|---|----------|----------|
| 51 | 0.10068 | -0.04692 | 0.18763 | 0 | -0.40884 | -1.18694 |
| 52 | 0.09043 | -0.0451 | 0.21179 | 0 | -0.4049 | -1.18529 |
| 53 | 0.08067 | -0.04318 | 0.2346 | 0 | -0.39888 | -1.18274 |
| 54 | 0.07143 | -0.04117 | 0.26073 | 0 | -0.39144 | -1.17959 |
| 55 | 0.06271 | -0.03905 | 0.28979 | 0 | -0.38111 | -1.17521 |
| 56 | 0.05452 | -0.03685 | 0.32308 | 0 | -0.36638 | -1.16892 |
| 57 | 0.04687 | -0.03455 | 0.35957 | 0 | -0.34614 | -1.16023 |
| 58 | 0.03977 | -0.03216 | 0.39994 | 0 | -0.31971 | -1.14879 |
| 59 | 0.03324 | -0.0297 | 0.44683 | 0 | -0.28262 | -1.13253 |
| 60 | 0.02922 | -0.02806 | 0.47427 | 0 | -0.27053 | -1.12718 |
| 61 | 0.02745 | -0.02728 | 0.49193 | 0 | -0.255 | -1.12027 |
| 62 | 0.02573 | -0.02649 | 0.50883 | 0 | -0.23946 | -1.11331 |
| 63 | 0.02406 | -0.02569 | 0.52726 | 0 | -0.22269 | -1.10576 |
| 64 | 0.02245 | -0.02489 | 0.5459 | 0 | -0.20453 | -1.09751 |
| 65 | 0.0209 | -0.02408 | 0.56524 | 0 | -0.18531 | -1.08872 |
| 66 | 0.01939 | -0.02326 | 0.58741 | 0 | -0.1631 | -1.07847 |
| 67 | 0.01795 | -0.02244 | 0.60776 | 0 | -0.13948 | -1.06747 |
| 68 | 0.01656 | -0.02161 | 0.62946 | 0 | -0.11486 | -1.05587 |
| 69 | 0.01522 | -0.02077 | 0.65425 | 0 | -0.08692 | -1.04256 |
| 70 | 0.01394 | -0.01993 | 0.67803 | 0 | -0.05695 | -1.02808 |
| 71 | 0.01272 | -0.01909 | 0.70432 | 0 | -0.02403 | -1.01195 |
| 72 | 0.01155 | -0.01824 | 0.73071 | 0 | 0.01152 | -0.99422 |
| 73 | 0.01044 | -0.01738 | 0.75836 | 0 | 0.04979 | -0.97478 |
| 74 | 0.00938 | -0.01652 | 0.78786 | 0 | 0.09161 | -0.9531 |
| 75 | 0.00838 | -0.01565 | 0.81777 | 0 | 0.13652 | -0.92923 |
| 76 | 0.00744 | -0.01477 | 0.84968 | 0 | 0.18541 | -0.90255 |
| 77 | 0.00655 | -0.0139 | 0.88169 | 0 | 0.23775 | -0.87307 |
| 78 | 0.00571 | -0.01301 | 0.91318 | 0 | 0.29252 | -0.84112 |
| 79 | 0.00494 | -0.01212 | 0.94636 | 0 | 0.35086 | -0.80569 |
| 80 | 0.00421 | -0.01123 | 0.97649 | 0 | 0.40953 | -0.76842 |
| 81 | 0.00355 | -0.01033 | 1.01175 | 0 | 0.47251 | -0.72628 |
| 82 | 0.00294 | -0.00943 | 1.0467 | 0 | 0.53776 | -0.67988 |
| 83 | 0.00239 | -0.00852 | 1.08179 | 0 | 0.60462 | -0.62879 |
| 84 | 0.0019 | -0.00761 | 1.11426 | 0 | 0.67051 | -0.57401 |
| 85 | 0.00146 | -0.00669 | 1.14591 | 0 | 0.73514 | -0.51464 |
| 86 | 0.00108 | -0.00577 | 1.17464 | 0 | 0.79601 | -0.45165 |
| 87 | 0.00076 | -0.00484 | 1.20099 | 0 | 0.85211 | -0.38456 |
| 88 | 0.0005 | -0.00391 | 1.22254 | 0 | 0.90079 | -0.31498 |
| 89 | 0.00029 | -0.00297 | 1.24105 | 0 | 0.9416 | -0.24166 |
| 90 | 0.00014 | -0.00203 | 1.25413 | 0 | 0.972 | -0.16734 |
| 91 | 0.00005 | -0.0011 | 1.26126 | 0 | 0.99153 | -0.09203 |
| 92 | 0.00001 | 0 | 1.27608 | 0 | 1 | -0.00001 |
| 93 | 0.00005 | 0.0011 | 1.26126 | 0 | 0.99153 | 0.09201 |
| 94 | 0.00014 | 0.00203 | 1.25413 | 0 | 0.972 | 0.16733 |
| 95 | 0.00029 | 0.00297 | 1.24105 | 0 | 0.94161 | 0.24164 |
| 96 | 0.0005 | 0.00391 | 1.22254 | 0 | 0.9008 | 0.31496 |
| 97 | 0.00076 | 0.00484 | 1.201 | 0 | 0.85213 | 0.38454 |
| 98 | 0.00108 | 0.00577 | 1.17465 | 0 | 0.79603 | 0.45163 |
| 99 | 0.00146 | 0.00669 | 1.14591 | 0 | 0.73516 | 0.51463 |
| 100 | 0.0019 | 0.00761 | 1.11427 | 0 | 0.67053 | 0.574 |
| 101 | 0.00239 | 0.00852 | 1.08179 | 0 | 0.60464 | 0.62877 |
| 102 | 0.00294 | 0.00943 | 1.04671 | 0 | 0.53778 | 0.67987 |

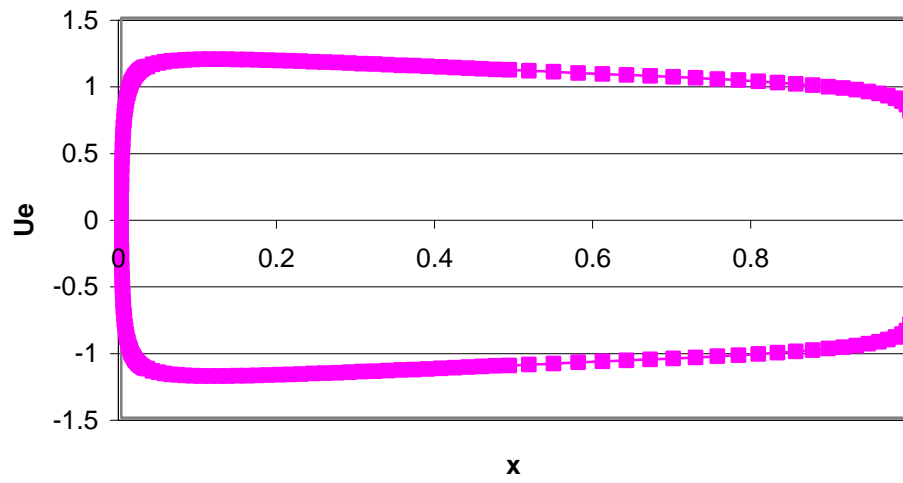
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|-----|---------|---------|----------|---|----------|---------|
| 103 | 0.00355 | 0.01033 | 1.01176 | 0 | 0.47253 | 0.72627 |
| 104 | 0.00421 | 0.01123 | 0.97649 | 0 | 0.40955 | 0.76841 |
| 105 | 0.00494 | 0.01212 | 0.94636 | 0 | 0.35088 | 0.80568 |
| 106 | 0.00571 | 0.01301 | 0.91319 | 0 | 0.29254 | 0.84111 |
| 107 | 0.00655 | 0.0139 | 0.8817 | 0 | 0.23777 | 0.87306 |
| 108 | 0.00744 | 0.01477 | 0.84969 | 0 | 0.18543 | 0.90254 |
| 109 | 0.00838 | 0.01565 | 0.81778 | 0 | 0.13654 | 0.92923 |
| 110 | 0.00938 | 0.01652 | 0.78787 | 0 | 0.09162 | 0.95309 |
| 111 | 0.01044 | 0.01738 | 0.75837 | 0 | 0.04981 | 0.97478 |
| 112 | 0.01155 | 0.01824 | 0.73072 | 0 | 0.01154 | 0.99422 |
| 113 | 0.01272 | 0.01909 | 0.70433 | 0 | -0.02402 | 1.01194 |
| 114 | 0.01394 | 0.01993 | 0.67804 | 0 | -0.05695 | 1.02808 |
| 115 | 0.01522 | 0.02077 | 0.65426 | 0 | -0.08692 | 1.04255 |
| 116 | 0.01656 | 0.02161 | 0.62947 | 0 | -0.11486 | 1.05587 |
| 117 | 0.01795 | 0.02244 | 0.60777 | 0 | -0.13949 | 1.06747 |
| 118 | 0.01939 | 0.02326 | 0.58742 | 0 | -0.16311 | 1.07848 |
| 119 | 0.0209 | 0.02408 | 0.56525 | 0 | -0.18532 | 1.08872 |
| 120 | 0.02245 | 0.02489 | 0.54591 | 0 | -0.20455 | 1.09752 |
| 121 | 0.02406 | 0.02569 | 0.52727 | 0 | -0.22272 | 1.10577 |
| 122 | 0.02573 | 0.02649 | 0.50883 | 0 | -0.2395 | 1.11333 |
| 123 | 0.02745 | 0.02728 | 0.49193 | 0 | -0.25506 | 1.12029 |
| 124 | 0.02922 | 0.02806 | 0.47427 | 0 | -0.27063 | 1.12722 |
| 125 | 0.03324 | 0.0297 | 0.44671 | 0 | -0.2827 | 1.13256 |
| 126 | 0.03977 | 0.03216 | 0.39976 | 0 | -0.31973 | 1.14879 |
| 127 | 0.04687 | 0.03455 | 0.35932 | 0 | -0.34601 | 1.16017 |
| 128 | 0.05452 | 0.03684 | 0.32313 | 0 | -0.36609 | 1.1688 |
| 129 | 0.06271 | 0.03905 | 0.28984 | 0 | -0.38083 | 1.17509 |
| 130 | 0.07143 | 0.04117 | 0.26098 | 0 | -0.39109 | 1.17944 |
| 131 | 0.08067 | 0.04318 | 0.23546 | 0 | -0.39901 | 1.1828 |
| 132 | 0.09043 | 0.0451 | 0.21116 | 0 | -0.40507 | 1.18536 |
| 133 | 0.10068 | 0.04692 | 0.18855 | 0 | -0.40894 | 1.18699 |
| 134 | 0.11142 | 0.04863 | 0.16707 | 0 | -0.41051 | 1.18765 |
| 135 | 0.12264 | 0.05022 | 0.14866 | 0 | -0.41079 | 1.18777 |
| 136 | 0.13431 | 0.0517 | 0.1296 | 0 | -0.41 | 1.18743 |
| 137 | 0.14644 | 0.05306 | 0.11248 | 0 | -0.40724 | 1.18627 |
| 138 | 0.15899 | 0.0543 | 0.09684 | 0 | -0.40349 | 1.18469 |
| 139 | 0.17196 | 0.05542 | 0.08222 | 0 | -0.3989 | 1.18275 |
| 140 | 0.18532 | 0.05642 | 0.06933 | 0 | -0.39414 | 1.18074 |
| 141 | 0.19907 | 0.0573 | 0.0557 | 0 | -0.38898 | 1.17855 |
| 142 | 0.21319 | 0.05805 | 0.04292 | 0 | -0.38247 | 1.17578 |
| 143 | 0.22765 | 0.05868 | 0.03144 | 0 | -0.37517 | 1.17268 |
| 144 | 0.24245 | 0.05919 | 0.02114 | 0 | -0.36778 | 1.16952 |
| 145 | 0.25756 | 0.05957 | 0.01101 | 0 | -0.36041 | 1.16636 |
| 146 | 0.27296 | 0.05983 | 0.00067 | 0 | -0.3523 | 1.16288 |
| 147 | 0.28865 | 0.05997 | -0.00849 | 0 | -0.34344 | 1.15907 |
| 148 | 0.30459 | 0.06 | -0.01699 | 0 | -0.33429 | 1.15512 |
| 149 | 0.32077 | 0.05991 | -0.02464 | 0 | -0.32506 | 1.15111 |
| 150 | 0.33717 | 0.05971 | -0.03181 | 0 | -0.31599 | 1.14716 |
| 151 | 0.35377 | 0.0594 | -0.03913 | 0 | -0.30675 | 1.14313 |
| 152 | 0.37054 | 0.05898 | -0.04604 | 0 | -0.29706 | 1.13888 |
| 153 | 0.38747 | 0.05846 | -0.05252 | 0 | -0.28692 | 1.13443 |
| 154 | 0.40454 | 0.05785 | -0.05796 | 0 | -0.27667 | 1.1299 |

| | | | | | | |
|-----|---------|---------|----------|---|----------|---------|
| 155 | 0.42173 | 0.05714 | -0.06268 | 0 | -0.26686 | 1.12555 |
| 156 | 0.43901 | 0.05634 | -0.06773 | 0 | -0.25726 | 1.12128 |
| 157 | 0.45636 | 0.05546 | -0.07289 | 0 | -0.24719 | 1.11678 |
| 158 | 0.47377 | 0.0545 | -0.07686 | 0 | -0.23702 | 1.11221 |
| 159 | 0.49121 | 0.05347 | -0.08055 | 0 | -0.22734 | 1.10785 |
| 160 | 0.51563 | 0.0519 | -0.08531 | 0 | -0.21265 | 1.1012 |
| 161 | 0.54697 | 0.04972 | -0.09122 | 0 | -0.19585 | 1.09355 |
| 162 | 0.57812 | 0.04737 | -0.09709 | 0 | -0.17858 | 1.08562 |
| 163 | 0.60896 | 0.04487 | -0.10068 | 0 | -0.16176 | 1.07785 |
| 164 | 0.63937 | 0.04225 | -0.10493 | 0 | -0.14555 | 1.07031 |
| 165 | 0.66923 | 0.03955 | -0.10775 | 0 | -0.13013 | 1.06308 |
| 166 | 0.69843 | 0.03677 | -0.1132 | 0 | -0.11417 | 1.05554 |
| 167 | 0.72685 | 0.03392 | -0.11511 | 0 | -0.0985 | 1.04809 |
| 168 | 0.75436 | 0.03104 | -0.1214 | 0 | -0.08211 | 1.04024 |
| 169 | 0.78087 | 0.02813 | -0.12576 | 0 | -0.06314 | 1.03109 |
| 170 | 0.80627 | 0.02524 | -0.12718 | 0 | -0.04423 | 1.02188 |
| 171 | 0.83046 | 0.02239 | -0.12945 | 0 | -0.02567 | 1.01276 |
| 172 | 0.85335 | 0.01963 | -0.1321 | 0 | -0.00602 | 1.003 |
| 173 | 0.87485 | 0.01695 | -0.13287 | 0 | 0.01409 | 0.99293 |
| 174 | 0.89487 | 0.01441 | -0.13476 | 0 | 0.03491 | 0.98239 |
| 175 | 0.91332 | 0.01201 | -0.13533 | 0 | 0.05676 | 0.9712 |
| 176 | 0.93015 | 0.00977 | -0.13694 | 0 | 0.08033 | 0.95899 |
| 177 | 0.94527 | 0.00773 | -0.13575 | 0 | 0.105 | 0.94605 |
| 178 | 0.95864 | 0.00589 | -0.13756 | 0 | 0.13215 | 0.93159 |
| 179 | 0.9702 | 0.00427 | -0.13611 | 0 | 0.16295 | 0.91491 |
| 180 | 0.97991 | 0.00289 | -0.13465 | 0 | 0.19703 | 0.89609 |
| 181 | 0.98771 | 0.00178 | -0.13167 | 0 | 0.23581 | 0.87418 |
| 182 | 0.9936 | 0.00093 | -0.1299 | 0 | 0.28404 | 0.84615 |
| 183 | 0.99803 | 0.00028 | -0.12094 | 0 | 0.35947 | 0.80033 |

CL = -0.00001 CM = 0.00001



0 degree angle of attack



0 degree angle of attack

