

THE INPUT DATA WAS READ AS FOLLOWS

| | | | |
|-----------------|-----------------|-----------------|-----------------|
| RX(1)= 0.0 | RZ(1)= 0.0 | TX(1)= 0.0 | TZ(1)= 0.0 |
| RX(2)= 1.500 | RZ(2)= 0.0 | TX(2)= 1.500 | TZ(2)= 0.0 |
| RX(3)= 3.000 | RZ(3)= 0.0 | TX(3)= 3.000 | TZ(3)= 0.0 |
| RX(4)= 4.500 | RZ(4)= 0.0 | TX(4)= 4.500 | TZ(4)= 0.0 |
| RX(5)= 6.000 | RZ(5)= 0.0 | TX(5)= 6.000 | TZ(5)= 0.0 |
| RX(6)= 7.500 | RZ(6)= 0.0 | TX(6)= 7.500 | TZ(6)= 0.0 |
| RX(7)= 9.000 | RZ(7)= 0.0 | TX(7)= 9.000 | TZ(7)= 0.0 |
| RX(8)= 10.500 | RZ(8)= 0.0 | TX(8)= 10.500 | TZ(8)= 0.0 |
| RX(9)= 12.000 | RZ(9)= 0.0 | TX(9)= 12.000 | TZ(9)= 0.0 |
| RX(10)= 13.500 | RZ(10)= 0.0 | TX(10)= 13.500 | TZ(10)= 0.0 |
| RX(11)= 15.000 | RZ(11)= 0.0 | TX(11)= 15.000 | TZ(11)= 0.0 |
| RX(12)= 16.500 | RZ(12)= 0.0 | TX(12)= 16.500 | TZ(12)= 0.0 |
| RX(13)= 18.000 | RZ(13)= 0.0 | TX(13)= 18.000 | TZ(13)= 0.0 |
| RX(14)= 19.500 | RZ(14)= 0.0 | TX(14)= 19.500 | TZ(14)= 0.0 |
| RX(15)= 21.000 | RZ(15)= 0.0 | TX(15)= 21.000 | TZ(15)= 0.0 |
| RX(16)= 22.500 | RZ(16)= 0.0 | TX(16)= 22.500 | TZ(16)= 0.0 |
| RX(17)= 22.500 | RZ(17)= 22.500 | TX(17)= 22.500 | TZ(17)= 22.500 |
| RX(18)= 21.000 | RZ(18)= 22.500 | TX(18)= 21.000 | TZ(18)= 22.500 |
| RX(19)= 19.500 | RZ(19)= 22.500 | TX(19)= 19.500 | TZ(19)= 22.500 |
| RX(20)= 18.000 | RZ(20)= 22.500 | TX(20)= 18.000 | TZ(20)= 22.500 |
| RX(21)= 16.500 | RZ(21)= 22.500 | TX(21)= 16.500 | TZ(21)= 22.500 |
| RX(22)= 15.000 | RZ(22)= 22.500 | TX(22)= 15.000 | TZ(22)= 22.500 |
| RX(23)= 13.500 | RZ(23)= 22.500 | TX(23)= 13.500 | TZ(23)= 22.500 |
| RX(24)= 12.000 | RZ(24)= 22.500 | TX(24)= 12.000 | TZ(24)= 22.500 |
| RX(25)= 10.500 | RZ(25)= 22.500 | TX(25)= 10.500 | TZ(25)= 22.500 |
| RX(26)= 9.000 | RZ(26)= 22.500 | TX(26)= 9.000 | TZ(26)= 22.500 |
| RX(27)= 7.500 | RZ(27)= 22.500 | TX(27)= 7.500 | TZ(27)= 22.500 |
| RX(28)= 6.000 | RZ(28)= 22.500 | TX(28)= 6.000 | TZ(28)= 22.500 |
| RX(29)= 4.500 | RZ(29)= 22.500 | TX(29)= 4.500 | TZ(29)= 22.500 |
| RX(30)= 3.000 | RZ(30)= 22.500 | TX(30)= 3.000 | TZ(30)= 22.500 |
| RX(31)= 1.500 | RZ(31)= 22.500 | TX(31)= 1.500 | TZ(31)= 22.500 |
| RX(32)= 0.0 | RZ(32)= 22.500 | TX(32)= 0.0 | TZ(32)= 22.500 |

THE Y LOCATION OF ROOT AIRFOIL IS 0.0

THE Y LOCATION OF THE TIP AIRFOIL IS 100.00000

THE LOCATION OF THE ROOT AERODYNAMIC CENTER IS

THE LOCATION OF THE TIP AERODYNAMIC CENTER IS

SKIN DENSITY LBS./IN.³ = 0.320E-01

CORE DENSITY LBS./IN.³ = 0.116E-02

SKIN THICKNESS=.25000

ANGLF OF ATTACK=0.0

CHORD ANGLE=0.0

MODULUS OF ELASTICITY= 0.100E 07

SHEAR MODULUS 0.400E 06

NUMBER OF WRITEOUTS= 3

INFO. ETC. PRINTOUT AT SECTION Y= 20.000

INFO. ETC. PRINTOUT AT SECTION Y= 70.000

INFO. ETC. PRINTOUT AT SECTION Y= 100.000

RXAC= 22.50000

TXAC= 22.50000

RZAC= 22.50000

TZAC= 22.50000

THE AIRFOIL SHAPE AT SECTION 0.000 IS DEFINED BY THE REFERENCE X,Z COORDINATES

| BY THE REFERENCE X,Z COORDINATES | BY THE ROTATED REFERENCE X,P,Z,P AXIS |
|----------------------------------|---------------------------------------|
| X(1)= 0.0 | ZP(1)= 0.0 |
| X(2)= 1.500 | ZP(2)= 0.0 |
| X(3)= 3.000 | ZP(3)= 0.0 |
| X(4)= 4.500 | ZP(4)= 0.0 |
| X(5)= 6.000 | ZP(5)= 0.0 |
| X(6)= 7.500 | ZP(6)= 0.0 |
| X(7)= 9.000 | ZP(7)= 0.0 |
| X(8)= 10.500 | ZP(8)= 0.0 |
| X(9)= 12.000 | ZP(9)= 0.0 |
| X(10)= 13.500 | ZP(10)= 0.0 |
| X(11)= 15.000 | ZP(11)= 0.0 |
| X(12)= 16.500 | ZP(12)= 0.0 |
| X(13)= 18.000 | ZP(13)= 0.0 |
| X(14)= 19.500 | ZP(14)= 0.0 |
| X(15)= 21.000 | ZP(15)= 0.0 |
| X(16)= 22.500 | ZP(16)= 0.0 |
| X(17)= 22.500 | ZP(17)= 22.500 |
| X(18)= 21.000 | ZP(18)= 22.500 |
| X(19)= 19.500 | ZP(19)= 22.500 |
| X(20)= 18.000 | ZP(20)= 22.500 |
| X(21)= 16.500 | ZP(21)= 22.500 |
| X(22)= 15.000 | ZP(22)= 22.500 |
| X(23)= 13.500 | ZP(23)= 22.500 |
| X(24)= 12.000 | ZP(24)= 22.500 |
| X(25)= 10.250 | ZP(25)= 22.500 |
| X(26)= 9.000 | ZP(26)= 22.500 |
| X(27)= 7.500 | ZP(27)= 22.500 |
| X(28)= 6.000 | ZP(28)= 22.500 |
| X(29)= 4.500 | ZP(29)= 22.500 |
| X(30)= 3.000 | ZP(30)= 22.500 |
| X(31)= 1.500 | ZP(31)= 22.500 |
| X(32)= 0.0 | ZP(32)= 22.500 |

THE ANGLE IN DEGREES BETWEEN X AND XP AXIS 0.0
 THE LOCATION OF THE AERODYNAMIC CENTER X= 22.500 Z= 22.500
 CHORD ANGLE IN DEGREES 0.0 ANGLE OF ATTACK IN DEGREES 0.0

SKIN THICKNESS 0.250
 MOMENT OF INERTIA ABOUT THE X AXIS 0.18985E 04
 MOMENT OF INERTIA ABOUT THE Z AXIS 0.18985E 04
 PRODUCT OF INERTIA ABOUT THE X,Z AXIS 0.0
 POLAR MOMENT OF INERTIA ABOUT THE X,Z AXIS 0.37970E 04

CENTROID LOCATION X= 11.250 Z= 11.250
 SHEAR IN THE X DIRECTION -0.10000E 03
 SHEAR IN THE Z DIRECTION 0.10000E 03
 MOMENT ABOUT THE X AXIS 0.25000E 04
 MOMENT ABOUT THE Z AXIS 0.25000E 04
 TORQUE ABOUT THE AERODYNAMIC CENTER -0.10000E 03
 TORQUE ABOUT THE SHEAR CENTER -0.20000E 04
 SHEAR CENTER LOCATION Y= 11.279 Z= 11.251

SIGN CONVENTION
 DIRECTION
 LEFT
 HIP LEFT
 UP
 HIP RIGHT
 RIGHT
 DOWN RIGHT
 DOWN
 DOWN LEFT

SHEAR FLOWS DUE TO FORCES ACTING ALONG THE XP AXIS

| | | | | | | | | | |
|-----------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|
| QXF(1)= | 1-0.1567E 01 | QXF(2)= | 1-0.1691E 01 | QXF(3)= | 1-0.1715E 01 | QXF(4)= | 1-0.1739E 01 | QXF(5)= | 1-0.1762E 01 |
| QXF(6)= | 1-0.1755E 01 | QXF(7)= | 1-0.1809E 01 | QXF(8)= | 1-0.1830E 01 | QXF(9)= | 1-0.1852E 01 | QXF(10)= | 1-0.1874E 01 |
| QXF(11)= | 1-0.1893E 01 | QXF(12)= | 1-0.1912E 01 | QXF(13)= | 1-0.1920E 01 | QXF(14)= | 1-0.1949E 01 | QXF(15)= | 1-0.1967E 01 |
| QXF(16)= | 1-0.1984E 01 | QXF(17)= | 1-0.2002E 01 | QXF(18)= | 1-0.2019E 01 | QXF(19)= | 1-0.2035E 01 | QXF(20)= | 1-0.2052E 01 |
| QXF(21)= | 1-0.2068E 01 | QXF(22)= | 1-0.2084E 01 | QXF(23)= | 1-0.2099E 01 | QXF(24)= | 1-0.2115E 01 | QXF(25)= | 1-0.2130E 01 |
| QXF(26)= | 1-0.2144E 01 | QXF(27)= | 1-0.2159E 01 | QXF(28)= | 1-0.2173E 01 | QXF(29)= | 1-0.2186E 01 | QXF(30)= | 1-0.2200E 01 |
| QXF(31)= | 1-0.2213E 01 | QXF(32)= | 1-0.2226E 01 | QXF(33)= | 1-0.2239E 01 | QXF(34)= | 1-0.2251E 01 | QXF(35)= | 1-0.2263E 01 |
| QXF(36)= | 1-0.2275E 01 | QXF(37)= | 1-0.2286E 01 | QXF(38)= | 1-0.2297E 01 | QXF(39)= | 1-0.2308E 01 | QXF(40)= | 1-0.2318E 01 |
| QXF(41)= | 1-0.2329E 01 | QXF(42)= | 1-0.2339E 01 | QXF(43)= | 1-0.2348E 01 | QXF(44)= | 1-0.2358E 01 | QXF(45)= | 1-0.2367E 01 |
| QXF(46)= | 1-0.2375E 01 | QXF(47)= | 1-0.2384E 01 | QXF(48)= | 1-0.2392E 01 | QXF(49)= | 1-0.2400E 01 | QXF(50)= | 1-0.2407E 01 |
| QXF(51)= | 1-0.2415E 01 | QXF(52)= | 1-0.2422E 01 | QXF(53)= | 1-0.2428E 01 | QXF(54)= | 1-0.2435E 01 | QXF(55)= | 1-0.2441E 01 |
| QXF(56)= | 1-0.2446E 01 | QXF(57)= | 1-0.2452E 01 | QXF(58)= | 1-0.2457E 01 | QXF(59)= | 1-0.2462E 01 | QXF(60)= | 1-0.2467E 01 |
| QXF(61)= | 1-0.2471E 01 | QXF(62)= | 1-0.2475E 01 | QXF(63)= | 1-0.2479E 01 | QXF(64)= | 1-0.2482E 01 | QXF(65)= | 1-0.2485E 01 |
| QXF(66)= | 1-0.2488E 01 | QXF(67)= | 1-0.2490E 01 | QXF(68)= | 1-0.2493E 01 | QXF(69)= | 1-0.2495E 01 | QXF(70)= | 1-0.2496E 01 |
| QXF(71)= | 1-0.2498E 01 | QXF(72)= | 1-0.2499E 01 | QXF(73)= | 1-0.2499E 01 | QXF(74)= | 1-0.2500E 01 | QXF(75)= | 1-0.2500E 01 |
| QXF(76)= | 1-0.2500E 01 | QXF(77)= | 1-0.2499E 01 | QXF(78)= | 1-0.2499E 01 | QXF(79)= | 1-0.2498E 01 | QXF(80)= | 1-0.2496E 01 |
| QXF(81)= | 1-0.2495E 01 | QXF(82)= | 1-0.2493E 01 | QXF(83)= | 1-0.2490E 01 | QXF(84)= | 1-0.2488E 01 | QXF(85)= | 1-0.2485E 01 |
| QXF(86)= | 1-0.2482E 01 | QXF(87)= | 1-0.2479E 01 | QXF(88)= | 1-0.2475E 01 | QXF(89)= | 1-0.2471E 01 | QXF(90)= | 1-0.2467E 01 |
| QXF(91)= | 1-0.2462E 01 | QXF(92)= | 1-0.2457E 01 | QXF(93)= | 1-0.2452E 01 | QXF(94)= | 1-0.2446E 01 | QXF(95)= | 1-0.2441E 01 |
| QXF(96)= | 1-0.2435E 01 | QXF(97)= | 1-0.2428E 01 | QXF(98)= | 1-0.2422E 01 | QXF(99)= | 1-0.2415E 01 | QXF(100)= | 1-0.2407E 01 |
| QXF(101)= | 1-0.2400E 01 | QXF(102)= | 1-0.2392E 01 | QXF(103)= | 1-0.2384E 01 | QXF(104)= | 1-0.2375E 01 | QXF(105)= | 1-0.2367E 01 |
| QXF(106)= | 1-0.2358E 01 | QXF(107)= | 1-0.2348E 01 | QXF(108)= | 1-0.2339E 01 | QXF(109)= | 1-0.2329E 01 | QXF(110)= | 1-0.2318E 01 |
| QXF(111)= | 1-0.2308E 01 | QXF(112)= | 1-0.2297E 01 | QXF(113)= | 1-0.2286E 01 | QXF(114)= | 1-0.2275E 01 | QXF(115)= | 1-0.2263E 01 |
| QXF(116)= | 1-0.2251E 01 | QXF(117)= | 1-0.2239E 01 | QXF(118)= | 1-0.2226E 01 | QXF(119)= | 1-0.2213E 01 | QXF(120)= | 1-0.2200E 01 |
| QXF(121)= | 1-0.2186E 01 | QXF(122)= | 1-0.2173E 01 | QXF(123)= | 1-0.2159E 01 | QXF(124)= | 1-0.2144E 01 | QXF(125)= | 1-0.2130E 01 |
| QXF(126)= | 1-0.2115E 01 | QXF(127)= | 1-0.2099E 01 | QXF(128)= | 1-0.2084E 01 | QXF(129)= | 1-0.2068E 01 | QXF(130)= | 1-0.2052E 01 |
| QXF(131)= | 1-0.2035E 01 | QXF(132)= | 1-0.2019E 01 | QXF(133)= | 1-0.2002E 01 | QXF(134)= | 1-0.1984E 01 | QXF(135)= | 1-0.1967E 01 |
| QXF(136)= | 1-0.1949E 01 | QXF(137)= | 1-0.1930E 01 | QXF(138)= | 1-0.1912E 01 | QXF(139)= | 1-0.1893E 01 | QXF(140)= | 1-0.1874E 01 |
| QXF(141)= | 1-0.1855E 01 | QXF(142)= | 1-0.1835E 01 | QXF(143)= | 1-0.1815E 01 | QXF(144)= | 1-0.1795E 01 | QXF(145)= | 1-0.1774E 01 |
| QXF(146)= | 1-0.1753E 01 | QXF(147)= | 1-0.1732E 01 | QXF(148)= | 1-0.1710E 01 | QXF(149)= | 1-0.1689E 01 | QXF(150)= | 3-0.1667E 01 |
| QXF(151)= | 3-0.1333E 01 | QXF(152)= | 3-0.9999E 00 | QXF(153)= | 3-0.6666E 00 | QXF(154)= | 3-0.3333E 00 | QXF(155)= | 7 0.3242E-04 |
| QXF(156)= | 7 0.3334E 00 | QXF(157)= | 7 0.6667E 00 | QXF(158)= | 7 0.1000E 01 | QXF(159)= | 7 0.1333E 01 | QXF(160)= | 1 0.1667E 01 |
| QXF(161)= | 1 0.1689E 01 | QXF(162)= | 1 0.1711E 01 | QXF(163)= | 1 0.1732E 01 | QXF(164)= | 1 0.1753E 01 | QXF(165)= | 1 0.1774E 01 |
| QXF(166)= | 1 0.1795E 01 | QXF(167)= | 1 0.1815E 01 | QXF(168)= | 1 0.1835E 01 | QXF(169)= | 1 0.1855E 01 | QXF(170)= | 1 0.1874E 01 |
| QXF(171)= | 1 0.1893E 01 | QXF(172)= | 1 0.1912E 01 | QXF(173)= | 1 0.1930E 01 | QXF(174)= | 1 0.1949E 01 | QXF(175)= | 1 0.1967E 01 |
| QXF(176)= | 1 0.1984E 01 | QXF(177)= | 1 0.2002E 01 | QXF(178)= | 1 0.2019E 01 | QXF(179)= | 1 0.2035E 01 | QXF(180)= | 1 0.2052E 01 |
| QXF(181)= | 1 0.2068E 01 | QXF(182)= | 1 0.2084E 01 | QXF(183)= | 1 0.2099E 01 | QXF(184)= | 1 0.2115E 01 | QXF(185)= | 1 0.2130E 01 |
| QXF(186)= | 1 0.2144E 01 | QXF(187)= | 1 0.2159E 01 | QXF(188)= | 1 0.2173E 01 | QXF(189)= | 1 0.2186E 01 | QXF(190)= | 1 0.2200E 01 |
| QXF(191)= | 1 0.2213E 01 | QXF(192)= | 1 0.2226E 01 | QXF(193)= | 1 0.2239E 01 | QXF(194)= | 1 0.2251E 01 | QXF(195)= | 1 0.2263E 01 |
| QXF(196)= | 1 0.2275E 01 | QXF(197)= | 1 0.2286E 01 | QXF(198)= | 1 0.2297E 01 | QXF(199)= | 1 0.2308E 01 | QXF(200)= | 1 0.2318E 01 |
| QXF(201)= | 1 0.2329E 01 | QXF(202)= | 1 0.2339E 01 | QXF(203)= | 1 0.2348E 01 | QXF(204)= | 1 0.2358E 01 | QXF(205)= | 1 0.2367E 01 |
| QXF(206)= | 1 0.2375E 01 | QXF(207)= | 1 0.2384E 01 | QXF(208)= | 1 0.2392E 01 | QXF(209)= | 1 0.2400E 01 | QXF(210)= | 1 0.2407E 01 |
| QXF(211)= | 1 0.2415E 01 | QXF(212)= | 1 0.2422E 01 | QXF(213)= | 1 0.2428E 01 | QXF(214)= | 1 0.2435E 01 | QXF(215)= | 1 0.2441E 01 |
| QXF(216)= | 1 0.2446E 01 | QXF(217)= | 1 0.2452E 01 | QXF(218)= | 1 0.2457E 01 | QXF(219)= | 1 0.2462E 01 | QXF(220)= | 1 0.2467E 01 |
| QXF(221)= | 1 0.2471E 01 | QXF(222)= | 1 0.2475E 01 | QXF(223)= | 1 0.2479E 01 | QXF(224)= | 1 0.2482E 01 | QXF(225)= | 1 0.2485E 01 |
| QXF(226)= | 1 0.2488E 01 | QXF(227)= | 1 0.2490E 01 | QXF(228)= | 1 0.2493E 01 | QXF(229)= | 1 0.2495E 01 | QXF(230)= | 1 0.2496E 01 |
| QXF(231)= | 1 0.2498E 01 | QXF(232)= | 1 0.2499E 01 | QXF(233)= | 1 0.2499E 01 | QXF(234)= | 1 0.2500E 01 | QXF(235)= | 1 0.2500E 01 |
| QXF(236)= | 1 0.2495E 01 | QXF(237)= | 1 0.2493E 01 | QXF(238)= | 1 0.2490E 01 | QXF(239)= | 1 0.2495E 01 | QXF(240)= | 1 0.2496E 01 |
| QXF(241)= | 1 0.2492E 01 | QXF(242)= | 1 0.2490E 01 | QXF(243)= | 1 0.2487E 01 | QXF(244)= | 1 0.2485E 01 | QXF(245)= | 1 0.2483E 01 |
| QXF(246)= | 1 0.2480E 01 | QXF(247)= | 1 0.2477E 01 | QXF(248)= | 1 0.2474E 01 | QXF(249)= | 1 0.2470E 01 | QXF(250)= | 1 0.2467E 01 |

QXF(251)= 1 0.2402E 01
QXF(256)= 1 0.2435E 01
QXF(261)= 1 0.2400E 01
QXF(264)= 1 0.2358E 01
QXF(271)= 1 0.2308E 01
QXF(276)= 1 0.2251E 01
QXF(281)= 1 0.2186E 01
QXF(286)= 1 0.2115E 01
QXF(291)= 1 0.2035E 01
QXF(296)= 1 0.1949E 01
QXF(301)= 1 0.1855E 01
QXF(306)= 1 0.1753E 01
QXF(311)= 3 0.1333E 01
QXF(316)= 7-0.3334E 00
QXF(252)= 1 0.2457E 01
QXF(257)= 1 0.2428E 01
QXF(262)= 1 0.2392E 01
QXF(267)= 1 0.2348E 01
QXF(272)= 1 0.2297E 01
QXF(277)= 1 0.2239E 01
QXF(282)= 1 0.2173E 01
QXF(287)= 1 0.2099E 01
QXF(292)= 1 0.2019E 01
QXF(297)= 1 0.1930E 01
QXF(302)= 1 0.1835E 01
QXF(307)= 1 0.1732E 01
QXF(312)= 3 0.9999E 00
QXF(317)= 7-0.6667E 00
QXF(253)= 1 0.2432E 01
QXF(258)= 1 0.2422E 01
QXF(263)= 1 0.2384E 01
QXF(268)= 1 0.2339E 01
QXF(273)= 1 0.2286E 01
QXF(278)= 1 0.2226E 01
QXF(283)= 1 0.2159E 01
QXF(288)= 1 0.2084E 01
QXF(293)= 1 0.2002E 01
QXF(298)= 1 0.1912E 01
QXF(303)= 1 0.1815E 01
QXF(308)= 1 0.1710E 01
QXF(313)= 3 0.6666E 00
QXF(318)= 7-0.1000E 01
QXF(254)= 1 0.2446E 01
QXF(259)= 1 0.2415E 01
QXF(264)= 1 0.2375E 01
QXF(269)= 1 0.2329E 01
QXF(274)= 1 0.2275E 01
QXF(279)= 1 0.2213E 01
QXF(284)= 1 0.2144E 01
QXF(289)= 1 0.2068E 01
QXF(294)= 1 0.1984E 01
QXF(299)= 1 0.1893E 01
QXF(304)= 1 0.1795E 01
QXF(309)= 1 0.1689E 01
QXF(314)= 3 0.3333E 00
QXF(319)= 7-0.1333E 01
QXF(255)= 1 0.2441E 01
QXF(260)= 1 0.2407E 01
QXF(265)= 1 0.2367E 01
QXF(270)= 1 0.2318E 01
QXF(275)= 1 0.2263E 01
QXF(280)= 1 0.2200E 01
QXF(285)= 1 0.2130E 01
QXF(290)= 1 0.2052E 01
QXF(295)= 1 0.1967E 01
QXF(300)= 1 0.1874E 01
QXF(305)= 1 0.1774E 01
QXF(310)= 3 0.1667E 01
QXF(315)= 7-0.3529E-04
QXF(320)= 1 0.1667E 01

QZF(301)= 5 0.1467E 01 QZF(302)= 5 0.1480E 01 QZF(303)= 5 0.1480E 01 QZF(304)= 5 0.1533E 01 QZF(305)= 5 0.1556E 01
QZF(306)= 5 0.1578E 01 QZF(307)= 5 0.1600E 01 QZF(308)= 5 0.1622E 01 QZF(309)= 5 0.1644E 01 QZF(310)= 7 0.1667E 01
QZF(311)= 7 0.1967E 01 QZF(312)= 7 0.2200E 01 QZF(313)= 7 0.2367E 01 QZF(314)= 7 0.2467E 01 QZF(315)= 7 0.2500E 01
QZF(316)= 7 0.2467E 01 QZF(317)= 7 0.2367E 01 QZF(318)= 7 0.2200E 01 QZF(319)= 7 0.1967E 01 QZF(320)= 1 0.1481E 02

0.045

Q(286)= 5 0.1354E 01
Q(291)= 5 0.1547E 01
Q(296)= 5 0.1745E 01
Q(301)= 5 0.1951E 01
Q(306)= 5 0.2164E 01
Q(311)= 7 0.3235E 01
Q(316)= 7 0.5235E 01
Q(287)= 5 0.1393E 01
Q(292)= 5 0.1586E 01
Q(297)= 5 0.1785E 01
Q(302)= 5 0.1993E 01
Q(307)= 5 0.2209E 01
Q(312)= 7 0.3768E 01
Q(317)= 7 0.5435E 01
Q(289)= 5 0.1469E 01
Q(294)= 5 0.1665E 01
Q(299)= 5 0.1868E 01
Q(304)= 5 0.2078E 01
Q(309)= 5 0.2296E 01
Q(314)= 7 0.4635E 01
Q(319)= 7 0.5635E 01
Q(290)= 5 0.1508E 01
Q(295)= 5 0.1705E 01
Q(300)= 5 0.1909E 01
Q(305)= 5 0.2121E 01
Q(310)= 7 0.2635E 01
Q(315)= 7 0.4968E 01
Q(320)=** 0.2963E 02

5.54

NORMAL SKIN STRESSES - (COMPRESSIVE) + (TENSION)

| | | | | |
|---------------------------|---------------------------|---------------------------|---------------------------|----------------------------|
| SIGMA(11) = 0.2963E 02 | SIGMA(21) = 0.7941E 02 | SIGMA(31) = 0.2919E 02 | SIGMA(41) = 0.2897E 02 | SIGMA(51) = 0.2875E 02 |
| SIGMA(61) = 0.2853E 02 | SIGMA(71) = 0.2831E 02 | SIGMA(81) = 0.2809E 02 | SIGMA(91) = 0.2787E 02 | SIGMA(101) = 0.2765E 02 |
| SIGMA(111) = 0.2746E 02 | SIGMA(121) = 0.2726E 02 | SIGMA(131) = 0.2706E 02 | SIGMA(141) = 0.2686E 02 | SIGMA(151) = 0.2667E 02 |
| SIGMA(161) = 0.2647E 02 | SIGMA(171) = 0.2627E 02 | SIGMA(181) = 0.2607E 02 | SIGMA(191) = 0.2588E 02 | SIGMA(201) = 0.2568E 02 |
| SIGMA(211) = 0.2548E 02 | SIGMA(221) = 0.2528E 02 | SIGMA(231) = 0.2509E 02 | SIGMA(241) = 0.2489E 02 | SIGMA(251) = 0.2469E 02 |
| SIGMA(261) = 0.2449E 02 | SIGMA(271) = 0.2430E 02 | SIGMA(281) = 0.2410E 02 | SIGMA(291) = 0.2390E 02 | SIGMA(301) = 0.2370E 02 |
| SIGMA(311) = 0.2351E 02 | SIGMA(321) = 0.2331E 02 | SIGMA(331) = 0.2311E 02 | SIGMA(341) = 0.2291E 02 | SIGMA(351) = 0.2272E 02 |
| SIGMA(361) = 0.2252E 02 | SIGMA(371) = 0.2232E 02 | SIGMA(381) = 0.2212E 02 | SIGMA(391) = 0.2193E 02 | SIGMA(401) = 0.2173E 02 |
| SIGMA(411) = 0.2153E 02 | SIGMA(421) = 0.2133E 02 | SIGMA(431) = 0.2114E 02 | SIGMA(441) = 0.2094E 02 | SIGMA(451) = 0.2074E 02 |
| SIGMA(461) = 0.2054E 02 | SIGMA(471) = 0.2035E 02 | SIGMA(481) = 0.2015E 02 | SIGMA(491) = 0.1995E 02 | SIGMA(501) = 0.1975E 02 |
| SIGMA(511) = 0.1955E 02 | SIGMA(521) = 0.1936E 02 | SIGMA(531) = 0.1916E 02 | SIGMA(541) = 0.1896E 02 | SIGMA(551) = 0.1876E 02 |
| SIGMA(561) = 0.1857E 02 | SIGMA(571) = 0.1837E 02 | SIGMA(581) = 0.1817E 02 | SIGMA(591) = 0.1797E 02 | SIGMA(601) = 0.1778E 02 |
| SIGMA(611) = 0.1758E 02 | SIGMA(621) = 0.1738E 02 | SIGMA(631) = 0.1718E 02 | SIGMA(641) = 0.1699E 02 | SIGMA(651) = 0.1679E 02 |
| SIGMA(661) = 0.1659E 02 | SIGMA(671) = 0.1639E 02 | SIGMA(681) = 0.1620E 02 | SIGMA(691) = 0.1600E 02 | SIGMA(701) = 0.1580E 02 |
| SIGMA(711) = 0.1560E 02 | SIGMA(721) = 0.1541E 02 | SIGMA(731) = 0.1521E 02 | SIGMA(741) = 0.1501E 02 | SIGMA(751) = 0.1481E 02 |
| SIGMA(761) = 0.1462E 02 | SIGMA(771) = 0.1442E 02 | SIGMA(781) = 0.1422E 02 | SIGMA(791) = 0.1402E 02 | SIGMA(801) = 0.1383E 02 |
| SIGMA(811) = 0.1363E 02 | SIGMA(821) = 0.1343E 02 | SIGMA(831) = 0.1323E 02 | SIGMA(841) = 0.1304E 02 | SIGMA(851) = 0.1284E 02 |
| SIGMA(861) = 0.1264E 02 | SIGMA(871) = 0.1244E 02 | SIGMA(881) = 0.1225E 02 | SIGMA(891) = 0.1205E 02 | SIGMA(901) = 0.1185E 02 |
| SIGMA(911) = 0.1165E 02 | SIGMA(921) = 0.1146E 02 | SIGMA(931) = 0.1126E 02 | SIGMA(941) = 0.1106E 02 | SIGMA(951) = 0.1086E 02 |
| SIGMA(961) = 0.1067E 02 | SIGMA(971) = 0.1047E 02 | SIGMA(981) = 0.1027E 02 | SIGMA(991) = 0.1007E 02 | SIGMA(1001) = 0.9876E 01 |
| SIGMA(1011) = 0.9679E 01 | SIGMA(1021) = 0.9481E 01 | SIGMA(1031) = 0.9284E 01 | SIGMA(1041) = 0.9086E 01 | SIGMA(1051) = 0.8889E 01 |
| SIGMA(1061) = 0.8691E 01 | SIGMA(1071) = 0.8494E 01 | SIGMA(1081) = 0.8296E 01 | SIGMA(1091) = 0.8099E 01 | SIGMA(1101) = 0.7901E 01 |
| SIGMA(1111) = 0.7703E 01 | SIGMA(1121) = 0.7506E 01 | SIGMA(1131) = 0.7308E 01 | SIGMA(1141) = 0.7111E 01 | SIGMA(1151) = 0.6913E 01 |
| SIGMA(1161) = 0.6716E 01 | SIGMA(1171) = 0.6518E 01 | SIGMA(1181) = 0.6321E 01 | SIGMA(1191) = 0.6123E 01 | SIGMA(1201) = 0.5926E 01 |
| SIGMA(1211) = 0.5728E 01 | SIGMA(1221) = 0.5531E 01 | SIGMA(1231) = 0.5333E 01 | SIGMA(1241) = 0.5136E 01 | SIGMA(1251) = 0.4938E 01 |
| SIGMA(1261) = 0.4741E 01 | SIGMA(1271) = 0.4543E 01 | SIGMA(1281) = 0.4346E 01 | SIGMA(1291) = 0.4148E 01 | SIGMA(1301) = 0.3950E 01 |
| SIGMA(1311) = 0.3753E 01 | SIGMA(1321) = 0.3555E 01 | SIGMA(1331) = 0.3358E 01 | SIGMA(1341) = 0.3160E 01 | SIGMA(1351) = 0.2963E 01 |
| SIGMA(1361) = 0.2765E 01 | SIGMA(1371) = 0.2568E 01 | SIGMA(1381) = 0.2370E 01 | SIGMA(1391) = 0.2173E 01 | SIGMA(1401) = 0.1975E 01 |
| SIGMA(1411) = 0.1778E 01 | SIGMA(1421) = 0.1580E 01 | SIGMA(1431) = 0.1383E 01 | SIGMA(1441) = 0.1185E 01 | SIGMA(1451) = 0.9876E 00 |
| SIGMA(1461) = 0.7901E 00 | SIGMA(1471) = 0.5926E 00 | SIGMA(1481) = 0.3950E 00 | SIGMA(1491) = 0.1975E 00 | SIGMA(1501) = 0.3052E -04 |
| SIGMA(1511) = 0.2963E 01 | SIGMA(1521) = 0.2962E 01 | SIGMA(1531) = 0.2962E 01 | SIGMA(1541) = 0.2962E 01 | SIGMA(1551) = 0.2962E 01 |
| SIGMA(1561) = 0.2962E 01 | SIGMA(1571) = 0.2962E 01 | SIGMA(1581) = 0.2962E 01 | SIGMA(1591) = 0.2962E 01 | SIGMA(1601) = 0.2962E 01 |
| SIGMA(1611) = 0.2962E 01 | SIGMA(1621) = 0.2962E 01 | SIGMA(1631) = 0.2962E 01 | SIGMA(1641) = 0.2962E 01 | SIGMA(1651) = 0.2962E 01 |
| SIGMA(1661) = 0.2962E 01 | SIGMA(1671) = 0.2962E 01 | SIGMA(1681) = 0.2962E 01 | SIGMA(1691) = 0.2962E 01 | SIGMA(1701) = 0.2962E 01 |
| SIGMA(1711) = 0.2962E 01 | SIGMA(1721) = 0.2962E 01 | SIGMA(1731) = 0.2962E 01 | SIGMA(1741) = 0.2962E 01 | SIGMA(1751) = 0.2962E 01 |
| SIGMA(1761) = 0.2962E 01 | SIGMA(1771) = 0.2962E 01 | SIGMA(1781) = 0.2962E 01 | SIGMA(1791) = 0.2962E 01 | SIGMA(1801) = 0.2962E 01 |
| SIGMA(1811) = 0.2962E 01 | SIGMA(1821) = 0.2962E 01 | SIGMA(1831) = 0.2962E 01 | SIGMA(1841) = 0.2962E 01 | SIGMA(1851) = 0.2962E 01 |
| SIGMA(1861) = 0.2962E 01 | SIGMA(1871) = 0.2962E 01 | SIGMA(1881) = 0.2962E 01 | SIGMA(1891) = 0.2962E 01 | SIGMA(1901) = 0.2962E 01 |
| SIGMA(1911) = 0.2962E 01 | SIGMA(1921) = 0.2962E 01 | SIGMA(1931) = 0.2962E 01 | SIGMA(1941) = 0.2962E 01 | SIGMA(1951) = 0.2962E 01 |
| SIGMA(1961) = 0.2962E 01 | SIGMA(1971) = 0.2962E 01 | SIGMA(1981) = 0.2962E 01 | SIGMA(1991) = 0.2962E 01 | SIGMA(2001) = 0.2962E 01 |
| SIGMA(2011) = 0.2962E 01 | SIGMA(2021) = 0.2962E 01 | SIGMA(2031) = 0.2962E 01 | SIGMA(2041) = 0.2962E 01 | SIGMA(2051) = 0.2962E 01 |
| SIGMA(2061) = 0.2962E 01 | SIGMA(2071) = 0.2962E 01 | SIGMA(2081) = 0.2962E 01 | SIGMA(2091) = 0.2962E 01 | SIGMA(2101) = 0.2962E 01 |
| SIGMA(2111) = 0.2962E 01 | SIGMA(2121) = 0.2962E 01 | SIGMA(2131) = 0.2962E 01 | SIGMA(2141) = 0.2962E 01 | SIGMA(2151) = 0.2962E 01 |
| SIGMA(2161) = 0.2962E 01 | SIGMA(2171) = 0.2962E 01 | SIGMA(2181) = 0.2962E 01 | SIGMA(2191) = 0.2962E 01 | SIGMA(2201) = 0.2962E 01 |
| SIGMA(2211) = 0.2962E 01 | SIGMA(2221) = 0.2962E 01 | SIGMA(2231) = 0.2962E 01 | SIGMA(2241) = 0.2962E 01 | SIGMA(2251) = 0.2962E 01 |
| SIGMA(2261) = 0.2962E 01 | SIGMA(2271) = 0.2962E 01 | SIGMA(2281) = 0.2962E 01 | SIGMA(2291) = 0.2962E 01 | SIGMA(2301) = 0.2962E 01 |
| SIGMA(2311) = 0.2962E 01 | SIGMA(2321) = 0.2962E 01 | SIGMA(2331) = 0.2962E 01 | SIGMA(2341) = 0.2962E 01 | SIGMA(2351) = 0.2962E 01 |
| SIGMA(2361) = 0.2962E 01 | SIGMA(2371) = 0.2962E 01 | SIGMA(2381) = 0.2962E 01 | SIGMA(2391) = 0.2962E 01 | SIGMA(2401) = 0.2962E 01 |
| SIGMA(2411) = 0.2962E 01 | SIGMA(2421) = 0.2962E 01 | SIGMA(2431) = 0.2962E 01 | SIGMA(2441) = 0.2962E 01 | SIGMA(2451) = 0.2962E 01 |
| SIGMA(2461) = 0.2962E 01 | SIGMA(2471) = 0.2962E 01 | SIGMA(2481) = 0.2962E 01 | SIGMA(2491) = 0.2962E 01 | SIGMA(2501) = 0.2962E 01 |
| SIGMA(2511) = 0.2962E 01 | SIGMA(2521) = 0.2962E 01 | SIGMA(2531) = 0.2962E 01 | SIGMA(2541) = 0.2962E 01 | SIGMA(2551) = 0.2962E 01 |
| SIGMA(2561) = 0.2962E 01 | SIGMA(2571) = 0.2962E 01 | SIGMA(2581) = 0.2962E 01 | SIGMA(2591) = 0.2962E 01 | SIGMA(2601) = 0.2962E 01 |
| SIGMA(2611) = 0.2962E 01 | SIGMA(2621) = 0.2962E 01 | SIGMA(2631) = 0.2962E 01 | SIGMA(2641) = 0.2962E 01 | SIGMA(2651) = 0.2962E 01 |
| SIGMA(2661) = 0.2962E 01 | SIGMA(2671) = 0.2962E 01 | SIGMA(2681) = 0.2962E 01 | SIGMA(2691) = 0.2962E 01 | SIGMA(2701) = 0.2962E 01 |
| SIGMA(2711) = 0.2962E 01 | SIGMA(2721) = 0.2962E 01 | SIGMA(2731) = 0.2962E 01 | SIGMA(2741) = 0.2962E 01 | SIGMA(2751) = 0.2962E 01 |
| SIGMA(2761) = 0.2962E 01 | SIGMA(2771) = 0.2962E 01 | SIGMA(2781) = 0.2962E 01 | SIGMA(2791) = 0.2962E 01 | SIGMA(2801) = 0.2962E 01 |
| SIGMA(2811) = 0.2962E 01 | SIGMA(2821) = 0.2962E 01 | SIGMA(2831) = 0.2962E 01 | SIGMA(2841) = 0.2962E 01 | SIGMA(2851) = 0.2962E 01 |
| SIGMA(2861) = 0.2962E 01 | SIGMA(2871) = 0.2962E 01 | SIGMA(2881) = 0.2962E 01 | SIGMA(2891) = 0.2962E 01 | SIGMA(2901) = 0.2962E 01 |
| SIGMA(2911) = 0.2962E 01 | SIGMA(2921) = 0.2962E 01 | SIGMA(2931) = 0.2962E 01 | SIGMA(2941) = 0.2962E 01 | SIGMA(2951) = 0.2962E 01 |

SIGMA(297)=-0.2745E 01
SIGMA(301)=-0.1778E 01
SIGMA(306)=-0.7901E 00
SIGMA(311)=-0.2963E 01
SIGMA(316)=-0.1778E 02
SIGMA(297)=-0.2568E 01
SIGMA(302)=-0.1589E 01
SIGMA(307)=-0.5425E 00
SIGMA(312)=-0.5926E 01
SIGMA(317)=-0.2074E 02
SIGMA(299)=-0.2173E 01
SIGMA(303)=-0.1383E 01
SIGMA(308)=-0.3950E 00
SIGMA(313)=-0.8889E 01
SIGMA(318)=-0.2470E 02
SIGMA(299)=-0.2173E 01
SIGMA(304)=-0.1185E 01
SIGMA(309)=-0.1975E 00
SIGMA(314)=-0.1185E 02
SIGMA(319)=-0.2667E 02
SIGMA(300)=-0.1975E 01
SIGMA(305)=-0.9876E 00
SIGMA(310)=-0.3052E 04
SIGMA(315)=-0.1481E 02
SIGMA(320)=-0.2000E 02

THE AIRFOIL SHAFT AT SECTION 0.0 IS DEFINED

BY THE REFERENCE X,Z COORDINATES

| | | | |
|----------------|----------------|-----------------|-----------------|
| X(1)= 0.0 | Z(1)= 0.0 | XP(1)= 0.0 | ZP(1)= 0.0 |
| X(2)= 1.500 | Z(2)= 0.0 | XP(2)= 1.500 | ZP(2)= 0.0 |
| X(3)= 3.000 | Z(3)= 0.0 | XP(3)= 3.000 | ZP(3)= 0.0 |
| X(4)= 4.500 | Z(4)= 0.0 | XP(4)= 4.500 | ZP(4)= 0.0 |
| X(5)= 6.000 | Z(5)= 0.0 | XP(5)= 6.000 | ZP(5)= 0.0 |
| X(6)= 7.500 | Z(6)= 0.0 | XP(6)= 7.500 | ZP(6)= 0.0 |
| X(7)= 9.000 | Z(7)= 0.0 | XP(7)= 9.000 | ZP(7)= 0.0 |
| X(8)= 10.500 | Z(8)= 0.0 | XP(8)= 10.500 | ZP(8)= 0.0 |
| X(9)= 12.000 | Z(9)= 0.0 | XP(9)= 12.000 | ZP(9)= 0.0 |
| X(10)= 13.500 | Z(10)= 0.0 | XP(10)= 13.500 | ZP(10)= 0.0 |
| X(11)= 15.000 | Z(11)= 0.0 | XP(11)= 15.000 | ZP(11)= 0.0 |
| X(12)= 16.500 | Z(12)= 0.0 | XP(12)= 16.500 | ZP(12)= 0.0 |
| X(13)= 18.000 | Z(13)= 0.0 | XP(13)= 18.000 | ZP(13)= 0.0 |
| X(14)= 19.500 | Z(14)= 0.0 | XP(14)= 19.500 | ZP(14)= 0.0 |
| X(15)= 21.000 | Z(15)= 0.0 | XP(15)= 21.000 | ZP(15)= 0.0 |
| X(16)= 22.500 | Z(16)= 0.0 | XP(16)= 22.500 | ZP(16)= 0.0 |
| X(17)= 22.500 | Z(17)= 22.500 | XP(17)= 22.500 | ZP(17)= 22.500 |
| X(18)= 21.000 | Z(18)= 22.500 | XP(18)= 21.000 | ZP(18)= 22.500 |
| X(19)= 19.500 | Z(19)= 22.500 | XP(19)= 19.500 | ZP(19)= 22.500 |
| X(20)= 18.000 | Z(20)= 22.500 | XP(20)= 18.000 | ZP(20)= 22.500 |
| X(21)= 16.500 | Z(21)= 22.500 | XP(21)= 16.500 | ZP(21)= 22.500 |
| X(22)= 15.000 | Z(22)= 22.500 | XP(22)= 15.000 | ZP(22)= 22.500 |
| X(23)= 13.500 | Z(23)= 22.500 | XP(23)= 13.500 | ZP(23)= 22.500 |
| X(24)= 12.000 | Z(24)= 22.500 | XP(24)= 12.000 | ZP(24)= 22.500 |
| X(25)= 10.500 | Z(25)= 22.500 | XP(25)= 10.500 | ZP(25)= 22.500 |
| X(26)= 9.000 | Z(26)= 22.500 | XP(26)= 9.000 | ZP(26)= 22.500 |
| X(27)= 7.500 | Z(27)= 22.500 | XP(27)= 7.500 | ZP(27)= 22.500 |
| X(28)= 6.000 | Z(28)= 22.500 | XP(28)= 6.000 | ZP(28)= 22.500 |
| X(29)= 4.500 | Z(29)= 22.500 | XP(29)= 4.500 | ZP(29)= 22.500 |
| X(30)= 3.000 | Z(30)= 22.500 | XP(30)= 3.000 | ZP(30)= 22.500 |
| X(31)= 1.500 | Z(31)= 22.500 | XP(31)= 1.500 | ZP(31)= 22.500 |
| X(32)= 0.0 | Z(32)= 22.500 | XP(32)= 0.0 | ZP(32)= 22.500 |

BY THE ROTATED REFERENCE XP,ZP AXIS

THE ANGLE IN DEGREES BETWEEN X AND XP AXIS 0.0

THE LOCATION OF THE AERODYNAMIC CENTER X= 22.500 Z= 22.500

CHORD ANGLE IN DEGREES 0.0 ANGLE OF ATTACK IN DEGREES 0.0

SKIN THICKNESS 0.250

MOMENT OF INERTIA ABOUT THE X AXIS 0.18985E 04

MOMENT OF INERTIA ABOUT THE Z AXIS 0.18995E 04

PRODUCT OF INERTIA ABOUT THE X,Z AXIS 0.0

POLAR MOMENT OF INERTIA ABOUT THE X,Z AXIS 0.37970E 04

CENTROID LOCATION X= 11.250 Z= 11.250

SHEAR IN THE X DIRECTION-0.20000E 03

SHEAR IN THE Z DIRECTION 0.20000E 03

MOMENT ABOUT THE Z AXIS 0.10000E 05

MOMENT ABOUT THE X AXIS 0.10000E 05

TORQUE ABOUT THE AERODYNAMIC CENTER -0.20000E 03

TORQUE ABOUT THE SHEAR CENTER -0.46942E 04

SHEAR CENTER LOCATION X= 11.279 Z= 11.250

SIGN CONVENTION
 NUMBER DIRECTION
 1 LEFT
 2 UP LEFT
 3 UP
 4 UP RIGHT
 5 RIGHT
 6 DOWN RIGHT
 7 DOWN
 8 DOWN LEFT

SHEAR FLOWS DUE TO FORCES ACTING ALONG THE X.P. AXIS

| | | | | | | | | | |
|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|
| QXF(1)= | 1-0.3333E 01 | QXF(2)= | 1-0.3382E 01 | QXF(3)= | 1-0.3431E 01 | QXF(4)= | 1-0.3478E 01 | QXF(5)= | 1-0.3525E 01 |
| QXF(6)= | 1-0.3571E 01 | QXF(7)= | 1-0.3616E 01 | QXF(8)= | 1-0.3661E 01 | QXF(9)= | 1-0.3705E 01 | QXF(10)= | 1-0.3748E 01 |
| QXF(11)= | 1-0.3786E 01 | QXF(12)= | 1-0.3824E 01 | QXF(13)= | 1-0.3861E 01 | QXF(14)= | 1-0.3897E 01 | QXF(15)= | 1-0.3933E 01 |
| QXF(16)= | 1-0.3968E 01 | QXF(17)= | 1-0.4003E 01 | QXF(18)= | 1-0.4037E 01 | QXF(19)= | 1-0.4071E 01 | QXF(20)= | 1-0.4104E 01 |
| QXF(21)= | 1-0.4136E 01 | QXF(22)= | 1-0.4168E 01 | QXF(23)= | 1-0.4199E 01 | QXF(24)= | 1-0.4229E 01 | QXF(25)= | 1-0.4259E 01 |
| QXF(26)= | 1-0.4288E 01 | QXF(27)= | 1-0.4317E 01 | QXF(28)= | 1-0.4345E 01 | QXF(29)= | 1-0.4373E 01 | QXF(30)= | 1-0.4400E 01 |
| QXF(31)= | 1-0.4426E 01 | QXF(32)= | 1-0.4452E 01 | QXF(33)= | 1-0.4477E 01 | QXF(34)= | 1-0.4502E 01 | QXF(35)= | 1-0.4526E 01 |
| QXF(36)= | 1-0.4549E 01 | QXF(37)= | 1-0.4572E 01 | QXF(38)= | 1-0.4594E 01 | QXF(39)= | 1-0.4616E 01 | QXF(40)= | 1-0.4637E 01 |
| QXF(41)= | 1-0.4657E 01 | QXF(42)= | 1-0.4677E 01 | QXF(43)= | 1-0.4696E 01 | QXF(44)= | 1-0.4715E 01 | QXF(45)= | 1-0.4733E 01 |
| QXF(46)= | 1-0.4751E 01 | QXF(47)= | 1-0.4768E 01 | QXF(48)= | 1-0.4784E 01 | QXF(49)= | 1-0.4800E 01 | QXF(50)= | 1-0.4815E 01 |
| QXF(51)= | 1-0.4829E 01 | QXF(52)= | 1-0.4843E 01 | QXF(53)= | 1-0.4856E 01 | QXF(54)= | 1-0.4869E 01 | QXF(55)= | 1-0.4881E 01 |
| QXF(56)= | 1-0.4893E 01 | QXF(57)= | 1-0.4904E 01 | QXF(58)= | 1-0.4914E 01 | QXF(59)= | 1-0.4924E 01 | QXF(60)= | 1-0.4933E 01 |
| QXF(61)= | 1-0.4942E 01 | QXF(62)= | 1-0.4950E 01 | QXF(63)= | 1-0.4957E 01 | QXF(64)= | 1-0.4964E 01 | QXF(65)= | 1-0.4970E 01 |
| QXF(66)= | 1-0.4976E 01 | QXF(67)= | 1-0.4981E 01 | QXF(68)= | 1-0.4985E 01 | QXF(69)= | 1-0.4989E 01 | QXF(70)= | 1-0.4992E 01 |
| QXF(71)= | 1-0.4995E 01 | QXF(72)= | 1-0.4997E 01 | QXF(73)= | 1-0.4999E 01 | QXF(74)= | 1-0.5000E 01 | QXF(75)= | 1-0.5000E 01 |
| QXF(76)= | 1-0.5000E 01 | QXF(77)= | 1-0.4999E 01 | QXF(78)= | 1-0.4997E 01 | QXF(79)= | 1-0.4995E 01 | QXF(80)= | 1-0.4992E 01 |
| QXF(81)= | 1-0.4989E 01 | QXF(82)= | 1-0.4985E 01 | QXF(83)= | 1-0.4981E 01 | QXF(84)= | 1-0.4976E 01 | QXF(85)= | 1-0.4970E 01 |
| QXF(86)= | 1-0.4964E 01 | QXF(87)= | 1-0.4957E 01 | QXF(88)= | 1-0.4950E 01 | QXF(89)= | 1-0.4942E 01 | QXF(90)= | 1-0.4933E 01 |
| QXF(91)= | 1-0.4924E 01 | QXF(92)= | 1-0.4914E 01 | QXF(93)= | 1-0.4904E 01 | QXF(94)= | 1-0.4893E 01 | QXF(95)= | 1-0.4881E 01 |
| QXF(96)= | 1-0.4869E 01 | QXF(97)= | 1-0.4856E 01 | QXF(98)= | 1-0.4843E 01 | QXF(99)= | 1-0.4829E 01 | QXF(100)= | 1-0.4815E 01 |
| QXF(101)= | 1-0.4800E 01 | QXF(102)= | 1-0.4784E 01 | QXF(103)= | 1-0.4768E 01 | QXF(104)= | 1-0.4751E 01 | QXF(105)= | 1-0.4733E 01 |
| QXF(106)= | 1-0.4715E 01 | QXF(107)= | 1-0.4696E 01 | QXF(108)= | 1-0.4677E 01 | QXF(109)= | 1-0.4657E 01 | QXF(110)= | 1-0.4637E 01 |
| QXF(111)= | 1-0.4616E 01 | QXF(112)= | 1-0.4594E 01 | QXF(113)= | 1-0.4572E 01 | QXF(114)= | 1-0.4549E 01 | QXF(115)= | 1-0.4526E 01 |
| QXF(116)= | 1-0.4502E 01 | QXF(117)= | 1-0.4477E 01 | QXF(118)= | 1-0.4452E 01 | QXF(119)= | 1-0.4426E 01 | QXF(120)= | 1-0.4400E 01 |
| QXF(121)= | 1-0.4373E 01 | QXF(122)= | 1-0.4345E 01 | QXF(123)= | 1-0.4317E 01 | QXF(124)= | 1-0.4288E 01 | QXF(125)= | 1-0.4259E 01 |
| QXF(126)= | 1-0.4229E 01 | QXF(127)= | 1-0.4199E 01 | QXF(128)= | 1-0.4168E 01 | QXF(129)= | 1-0.4136E 01 | QXF(130)= | 1-0.4104E 01 |
| QXF(131)= | 1-0.4071E 01 | QXF(132)= | 1-0.4037E 01 | QXF(133)= | 1-0.4003E 01 | QXF(134)= | 1-0.3968E 01 | QXF(135)= | 1-0.3933E 01 |
| QXF(136)= | 1-0.3897E 01 | QXF(137)= | 1-0.3861E 01 | QXF(138)= | 1-0.3824E 01 | QXF(139)= | 1-0.3786E 01 | QXF(140)= | 1-0.3748E 01 |
| QXF(141)= | 1-0.3709E 01 | QXF(142)= | 1-0.3670E 01 | QXF(143)= | 1-0.3630E 01 | QXF(144)= | 1-0.3589E 01 | QXF(145)= | 1-0.3548E 01 |
| QXF(146)= | 1-0.3506E 01 | QXF(147)= | 1-0.3464E 01 | QXF(148)= | 1-0.3421E 01 | QXF(149)= | 1-0.3377E 01 | QXF(150)= | 1-0.3333E 01 |
| QXF(151)= | 1-0.3289E 01 | QXF(152)= | 1-0.3249E 01 | QXF(153)= | 1-0.3209E 01 | QXF(154)= | 1-0.3169E 01 | QXF(155)= | 1-0.3129E 01 |
| QXF(156)= | 1-0.3086E 01 | QXF(157)= | 1-0.3046E 01 | QXF(158)= | 1-0.3006E 01 | QXF(159)= | 1-0.2967E 01 | QXF(160)= | 1-0.2927E 01 |
| QXF(161)= | 1-0.2884E 01 | QXF(162)= | 1-0.2844E 01 | QXF(163)= | 1-0.2804E 01 | QXF(164)= | 1-0.2765E 01 | QXF(165)= | 1-0.2725E 01 |
| QXF(166)= | 1-0.2683E 01 | QXF(167)= | 1-0.2643E 01 | QXF(168)= | 1-0.2603E 01 | QXF(169)= | 1-0.2564E 01 | QXF(170)= | 1-0.2524E 01 |
| QXF(171)= | 1-0.2482E 01 | QXF(172)= | 1-0.2442E 01 | QXF(173)= | 1-0.2402E 01 | QXF(174)= | 1-0.2363E 01 | QXF(175)= | 1-0.2323E 01 |
| QXF(176)= | 1-0.2282E 01 | QXF(177)= | 1-0.2242E 01 | QXF(178)= | 1-0.2202E 01 | QXF(179)= | 1-0.2163E 01 | QXF(180)= | 1-0.2123E 01 |
| QXF(181)= | 1-0.2082E 01 | QXF(182)= | 1-0.2042E 01 | QXF(183)= | 1-0.2002E 01 | QXF(184)= | 1-0.1963E 01 | QXF(185)= | 1-0.1923E 01 |
| QXF(186)= | 1-0.1842E 01 | QXF(187)= | 1-0.1802E 01 | QXF(188)= | 1-0.1762E 01 | QXF(189)= | 1-0.1723E 01 | QXF(190)= | 1-0.1683E 01 |
| QXF(191)= | 1-0.1602E 01 | QXF(192)= | 1-0.1562E 01 | QXF(193)= | 1-0.1522E 01 | QXF(194)= | 1-0.1483E 01 | QXF(195)= | 1-0.1443E 01 |
| QXF(196)= | 1-0.1402E 01 | QXF(197)= | 1-0.1362E 01 | QXF(198)= | 1-0.1322E 01 | QXF(199)= | 1-0.1283E 01 | QXF(200)= | 1-0.1243E 01 |
| QXF(201)= | 1-0.1202E 01 | QXF(202)= | 1-0.1162E 01 | QXF(203)= | 1-0.1122E 01 | QXF(204)= | 1-0.1083E 01 | QXF(205)= | 1-0.1043E 01 |
| QXF(206)= | 1-0.1002E 01 | QXF(207)= | 1-0.0962E 01 | QXF(208)= | 1-0.0922E 01 | QXF(209)= | 1-0.0883E 01 | QXF(210)= | 1-0.0843E 01 |
| QXF(211)= | 1-0.0802E 01 | QXF(212)= | 1-0.0762E 01 | QXF(213)= | 1-0.0722E 01 | QXF(214)= | 1-0.0683E 01 | QXF(215)= | 1-0.0643E 01 |
| QXF(216)= | 1-0.0602E 01 | QXF(217)= | 1-0.0562E 01 | QXF(218)= | 1-0.0522E 01 | QXF(219)= | 1-0.0483E 01 | QXF(220)= | 1-0.0443E 01 |
| QXF(221)= | 1-0.0402E 01 | QXF(222)= | 1-0.0362E 01 | QXF(223)= | 1-0.0322E 01 | QXF(224)= | 1-0.0283E 01 | QXF(225)= | 1-0.0243E 01 |
| QXF(226)= | 1-0.0202E 01 | QXF(227)= | 1-0.0162E 01 | QXF(228)= | 1-0.0122E 01 | QXF(229)= | 1-0.0083E 01 | QXF(230)= | 1-0.0043E 01 |
| QXF(231)= | 1-0.0002E 01 | QXF(232)= | 1-0.0002E 01 | QXF(233)= | 1-0.0002E 01 | QXF(234)= | 1-0.0002E 01 | QXF(235)= | 1-0.0002E 01 |
| QXF(236)= | 1-0.0002E 01 | QXF(237)= | 1-0.0002E 01 | QXF(238)= | 1-0.0002E 01 | QXF(239)= | 1-0.0002E 01 | QXF(240)= | 1-0.0002E 01 |
| QXF(241)= | 1-0.0002E 01 | QXF(242)= | 1-0.0002E 01 | QXF(243)= | 1-0.0002E 01 | QXF(244)= | 1-0.0002E 01 | QXF(245)= | 1-0.0002E 01 |
| QXF(246)= | 1-0.0002E 01 | QXF(247)= | 1-0.0002E 01 | QXF(248)= | 1-0.0002E 01 | QXF(249)= | 1-0.0002E 01 | QXF(250)= | 1-0.0002E 01 |

QXF(251)= 1 0.4374E 01
QXF(256)= 1 0.4869E 01
QXF(261)= 1 0.4800E 01
QXF(266)= 1 0.4715E 01
QXF(271)= 1 0.4616E 01
QXF(276)= 1 0.4502E 01
QXF(281)= 1 0.4373E 01
QXF(286)= 1 0.4229E 01
QXF(291)= 1 0.4071E 01
QXF(296)= 1 0.3897E 01
QXF(301)= 1 0.3709E 01
QXF(306)= 1 0.3506E 01
QXF(311)= 3 0.2667E 01
QXF(316)= 7-0.6667E 00
QXF(252)= 1 0.4914E 01
QXF(257)= 1 0.4856E 01
QXF(262)= 1 0.4784E 01
QXF(267)= 1 0.4696E 01
QXF(272)= 1 0.4594E 01
QXF(277)= 1 0.4477E 01
QXF(282)= 1 0.4345E 01
QXF(287)= 1 0.4199E 01
QXF(292)= 1 0.4037E 01
QXF(297)= 1 0.3861E 01
QXF(302)= 1 0.3670E 01
QXF(307)= 1 0.3464E 01
QXF(312)= 3 0.2000E 01
QXF(317)= 7-0.1333E 01
QXF(253)= 1 0.4904E 01
QXF(258)= 1 0.4843E 01
QXF(263)= 1 0.4768E 01
QXF(268)= 1 0.4677E 01
QXF(273)= 1 0.4572E 01
QXF(278)= 1 0.4452E 01
QXF(283)= 1 0.4317E 01
QXF(288)= 1 0.4168E 01
QXF(293)= 1 0.4003E 01
QXF(298)= 1 0.3824E 01
QXF(303)= 1 0.3630E 01
QXF(308)= 1 0.3421E 01
QXF(313)= 3 0.1333E 01
QXF(318)= 7-0.2000E 01
QXF(254)= 1 0.4893E 01
QXF(259)= 1 0.4820E 01
QXF(264)= 1 0.4751E 01
QXF(269)= 1 0.4657E 01
QXF(274)= 1 0.4549E 01
QXF(279)= 1 0.4426E 01
QXF(284)= 1 0.4288E 01
QXF(289)= 1 0.4136E 01
QXF(294)= 1 0.3968E 01
QXF(299)= 1 0.3786E 01
QXF(304)= 1 0.3599E 01
QXF(309)= 1 0.3377E 01
QXF(314)= 3 0.6666E 00
QXF(319)= 7-0.2667E 01
QXF(255)= 1 0.4881E 01
QXF(260)= 1 0.4815E 01
QXF(265)= 1 0.4733E 01
QXF(270)= 1 0.4637E 01
QXF(275)= 1 0.4526E 01
QXF(280)= 1 0.4400E 01
QXF(285)= 1 0.4250E 01
QXF(290)= 1 0.4104E 01
QXF(295)= 1 0.3933E 01
QXF(300)= 1 0.3748E 01
QXF(305)= 1 0.3548E 01
QXF(310)= 2 0.3233E 01
QXF(315)= 7-0.3052E-04
QXF(320)= 1 0.3333E 01

SHEAR FLOWS DUE TO FORCES ACTING ALONG THE ZP AXIS

| | | | | | | | | | |
|-----------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|
| QZF(1)= | 1 0.3333E 01 | QZF(2)= | 1 0.3284E 01 | QZF(3)= | 1 0.3234E 01 | QZF(4)= | 1 0.3185E 01 | QZF(5)= | 1 0.3136E 01 |
| QZF(6)= | 1 0.3046E 01 | QZF(7)= | 1 0.3037E 01 | QZF(8)= | 1 0.2987E 01 | QZF(9)= | 1 0.2938E 01 | QZF(10)= | 1 0.2889E 01 |
| QZF(11)= | 1 0.2844E 01 | QZF(12)= | 1 0.2800E 01 | QZF(13)= | 1 0.2755E 01 | QZF(14)= | 1 0.2711E 01 | QZF(15)= | 1 0.2666E 01 |
| QZF(16)= | 1 0.2632E 01 | QZF(17)= | 1 0.2578E 01 | QZF(18)= | 1 0.2533E 01 | QZF(19)= | 1 0.2489E 01 | QZF(20)= | 1 0.2444E 01 |
| QZF(21)= | 1 0.2400E 01 | QZF(22)= | 1 0.2355E 01 | QZF(23)= | 1 0.2311E 01 | QZF(24)= | 1 0.2266E 01 | QZF(25)= | 1 0.2222E 01 |
| QZF(26)= | 1 0.2178E 01 | QZF(27)= | 1 0.2133E 01 | QZF(28)= | 1 0.2089E 01 | QZF(29)= | 1 0.2044E 01 | QZF(30)= | 1 0.2000E 01 |
| QZF(31)= | 1 0.1955E 01 | QZF(32)= | 1 0.1911E 01 | QZF(33)= | 1 0.1867E 01 | QZF(34)= | 1 0.1822E 01 | QZF(35)= | 1 0.1778E 01 |
| QZF(36)= | 1 0.1733E 01 | QZF(37)= | 1 0.1689E 01 | QZF(38)= | 1 0.1644E 01 | QZF(39)= | 1 0.1600E 01 | QZF(40)= | 1 0.1555E 01 |
| QZF(41)= | 1 0.1511E 01 | QZF(42)= | 1 0.1467E 01 | QZF(43)= | 1 0.1422E 01 | QZF(44)= | 1 0.1378E 01 | QZF(45)= | 1 0.1333E 01 |
| QZF(46)= | 1 0.1289E 01 | QZF(47)= | 1 0.1244E 01 | QZF(48)= | 1 0.1200E 01 | QZF(49)= | 1 0.1155E 01 | QZF(50)= | 1 0.1111E 01 |
| QZF(51)= | 1 0.1067E 01 | QZF(52)= | 1 0.1022E 01 | QZF(53)= | 1 0.9777E 00 | QZF(54)= | 1 0.9332E 00 | QZF(55)= | 1 0.8889E 00 |
| QZF(56)= | 1 0.8443E 00 | QZF(57)= | 1 0.7999E 00 | QZF(58)= | 1 0.7554E 00 | QZF(59)= | 1 0.7110E 00 | QZF(60)= | 1 0.6666E 00 |
| QZF(61)= | 1 0.6221E 00 | QZF(62)= | 1 0.5777E 00 | QZF(63)= | 1 0.5332E 00 | QZF(64)= | 1 0.4888E 00 | QZF(65)= | 1 0.4443E 00 |
| QZF(66)= | 1 0.3999E 00 | QZF(67)= | 1 0.3555E 00 | QZF(68)= | 1 0.3110E 00 | QZF(69)= | 1 0.2666E 00 | QZF(70)= | 1 0.2221E 00 |
| QZF(71)= | 1 0.1777E 00 | QZF(72)= | 1 0.1333E 00 | QZF(73)= | 1 0.8881E-01 | QZF(74)= | 1 0.4436E-01 | QZF(75)= | 5-0.7725E-04 |
| QZF(76)= | 5-0.4452E-01 | QZF(77)= | 5-0.8896E-01 | QZF(78)= | 5-0.1334E 00 | QZF(79)= | 5-0.1778E 00 | QZF(80)= | 5-0.2223E 00 |
| QZF(81)= | 5-0.2667E 00 | QZF(82)= | 5-0.3112E 00 | QZF(83)= | 5-0.3556E 00 | QZF(84)= | 5-0.4001E 00 | QZF(85)= | 5-0.4445E 00 |
| QZF(86)= | 5-0.4889E 00 | QZF(87)= | 5-0.5334E 00 | QZF(88)= | 5-0.5778E 00 | QZF(89)= | 5-0.6223E 00 | QZF(90)= | 5-0.6667E 00 |
| QZF(91)= | 5-0.7112E 00 | QZF(92)= | 5-0.7556E 00 | QZF(93)= | 5-0.8000E 00 | QZF(94)= | 5-0.8445E 00 | QZF(95)= | 5-0.8889E 00 |
| QZF(96)= | 5-0.9334E 00 | QZF(97)= | 5-0.9778E 00 | QZF(98)= | 5-0.1022E 01 | QZF(99)= | 5-0.1067E 01 | QZF(100)= | 5-0.1111E 01 |
| QZF(101)= | 5-0.1156E 01 | QZF(102)= | 5-0.1200E 01 | QZF(103)= | 5-0.1244E 01 | QZF(104)= | 5-0.1289E 01 | QZF(105)= | 5-0.1333E 01 |
| QZF(106)= | 5-0.1378E 01 | QZF(107)= | 5-0.1422E 01 | QZF(108)= | 5-0.1467E 01 | QZF(109)= | 5-0.1511E 01 | QZF(110)= | 5-0.1556E 01 |
| QZF(111)= | 5-0.1600E 01 | QZF(112)= | 5-0.1644E 01 | QZF(113)= | 5-0.1689E 01 | QZF(114)= | 5-0.1733E 01 | QZF(115)= | 5-0.1778E 01 |
| QZF(116)= | 5-0.1822E 01 | QZF(117)= | 5-0.1867E 01 | QZF(118)= | 5-0.1911E 01 | QZF(119)= | 5-0.1956E 01 | QZF(120)= | 5-0.2000E 01 |
| QZF(121)= | 5-0.2044E 01 | QZF(122)= | 5-0.2089E 01 | QZF(123)= | 5-0.2133E 01 | QZF(124)= | 5-0.2178E 01 | QZF(125)= | 5-0.2222E 01 |
| QZF(126)= | 5-0.2267E 01 | QZF(127)= | 5-0.2311E 01 | QZF(128)= | 5-0.2356E 01 | QZF(129)= | 5-0.2400E 01 | QZF(130)= | 5-0.2444E 01 |
| QZF(131)= | 5-0.2489E 01 | QZF(132)= | 5-0.2533E 01 | QZF(133)= | 5-0.2578E 01 | QZF(134)= | 5-0.2622E 01 | QZF(135)= | 5-0.2667E 01 |
| QZF(136)= | 5-0.2711E 01 | QZF(137)= | 5-0.2756E 01 | QZF(138)= | 5-0.2800E 01 | QZF(139)= | 5-0.2844E 01 | QZF(140)= | 5-0.2889E 01 |
| QZF(141)= | 5-0.2933E 01 | QZF(142)= | 5-0.2978E 01 | QZF(143)= | 5-0.3022E 01 | QZF(144)= | 5-0.3067E 01 | QZF(145)= | 5-0.3111E 01 |
| QZF(146)= | 5-0.3155E 01 | QZF(147)= | 5-0.3200E 01 | QZF(148)= | 5-0.3244E 01 | QZF(149)= | 5-0.3289E 01 | QZF(150)= | 7-0.3333E 01 |
| QZF(151)= | 7-0.3933E 01 | QZF(152)= | 7-0.4400E 01 | QZF(153)= | 7-0.4733E 01 | QZF(154)= | 7-0.4933E 01 | QZF(155)= | 7-0.5000E 01 |
| QZF(156)= | 7-0.4933E 01 | QZF(157)= | 7-0.4733E 01 | QZF(158)= | 7-0.4400E 01 | QZF(159)= | 7-0.3933E 01 | QZF(160)= | 1-0.3333E 01 |
| QZF(161)= | 1-0.3289E 01 | QZF(162)= | 1-0.3244E 01 | QZF(163)= | 1-0.3200E 01 | QZF(164)= | 1-0.3155E 01 | QZF(165)= | 1-0.3111E 01 |
| QZF(166)= | 1-0.3067E 01 | QZF(167)= | 1-0.3022E 01 | QZF(168)= | 1-0.2978E 01 | QZF(169)= | 1-0.2933E 01 | QZF(170)= | 1-0.2889E 01 |
| QZF(171)= | 1-0.2844E 01 | QZF(172)= | 1-0.2800E 01 | QZF(173)= | 1-0.2755E 01 | QZF(174)= | 1-0.2711E 01 | QZF(175)= | 1-0.2667E 01 |
| QZF(176)= | 1-0.2622E 01 | QZF(177)= | 1-0.2578E 01 | QZF(178)= | 1-0.2533E 01 | QZF(179)= | 1-0.2489E 01 | QZF(180)= | 1-0.2444E 01 |
| QZF(181)= | 1-0.2400E 01 | QZF(182)= | 1-0.2355E 01 | QZF(183)= | 1-0.2311E 01 | QZF(184)= | 1-0.2267E 01 | QZF(185)= | 1-0.2222E 01 |
| QZF(186)= | 1-0.2178E 01 | QZF(187)= | 1-0.2133E 01 | QZF(188)= | 1-0.2089E 01 | QZF(189)= | 1-0.2044E 01 | QZF(190)= | 1-0.2000E 01 |
| QZF(191)= | 1-0.1956E 01 | QZF(192)= | 1-0.1911E 01 | QZF(193)= | 1-0.1867E 01 | QZF(194)= | 1-0.1822E 01 | QZF(195)= | 1-0.1778E 01 |
| QZF(196)= | 1-0.1733E 01 | QZF(197)= | 1-0.1689E 01 | QZF(198)= | 1-0.1644E 01 | QZF(199)= | 1-0.1600E 01 | QZF(200)= | 1-0.1556E 01 |
| QZF(201)= | 1-0.1511E 01 | QZF(202)= | 1-0.1467E 01 | QZF(203)= | 1-0.1422E 01 | QZF(204)= | 1-0.1378E 01 | QZF(205)= | 1-0.1333E 01 |
| QZF(206)= | 1-0.1289E 01 | QZF(207)= | 1-0.1244E 01 | QZF(208)= | 1-0.1200E 01 | QZF(209)= | 1-0.1156E 01 | QZF(210)= | 1-0.1111E 01 |
| QZF(211)= | 1-0.1067E 01 | QZF(212)= | 1-0.1022E 01 | QZF(213)= | 1-0.9777E 00 | QZF(214)= | 1-0.9333E 00 | QZF(215)= | 1-0.8889E 00 |
| QZF(221)= | 1-0.6222E 00 | QZF(222)= | 1-0.5778E 00 | QZF(223)= | 1-0.5333E 00 | QZF(224)= | 1-0.4899E 00 | QZF(225)= | 1-0.4444E 00 |
| QZF(226)= | 1-0.4000E 00 | QZF(227)= | 1-0.3555E 00 | QZF(228)= | 1-0.3111E 00 | QZF(229)= | 1-0.2667E 00 | QZF(230)= | 1-0.2222E 00 |
| QZF(231)= | 1-0.1778E 00 | QZF(232)= | 1-0.1333E 00 | QZF(233)= | 1-0.8889E-01 | QZF(234)= | 1-0.4444E-01 | QZF(235)= | 5 0 0 |
| QZF(236)= | 5 0.4444E-01 | QZF(237)= | 5 0.8889E-01 | QZF(238)= | 5 0.1333E 00 | QZF(239)= | 5 0.1778E 00 | QZF(240)= | 5 0.2222E 00 |
| QZF(241)= | 5 0.2667E 00 | QZF(242)= | 5 0.3111E 00 | QZF(243)= | 5 0.3555E 00 | QZF(244)= | 5 0.4000E 00 | QZF(245)= | 5 0.4444E 00 |
| QZF(246)= | 5 0.4899E 00 | QZF(247)= | 5 0.5333E 00 | QZF(248)= | 5 0.5778E 00 | QZF(249)= | 5 0.6222E 00 | QZF(250)= | 5 0.6667E 00 |
| QZF(251)= | 5 0.7111E 00 | QZF(252)= | 5 0.7555E 00 | QZF(253)= | 5 0.8000E 00 | QZF(254)= | 5 0.8444E 00 | QZF(255)= | 5 0.8889E 00 |
| QZF(256)= | 5 0.9333E 00 | QZF(257)= | 5 0.9778E 00 | QZF(258)= | 5 0.1022E 01 | QZF(259)= | 5 0.1067E 01 | QZF(260)= | 5 0.1111E 01 |
| QZF(261)= | 5 0.1156E 01 | QZF(262)= | 5 0.1200E 01 | QZF(263)= | 5 0.1244E 01 | QZF(264)= | 5 0.1289E 01 | QZF(265)= | 5 0.1333E 01 |
| QZF(266)= | 5 0.1378E 01 | QZF(267)= | 5 0.1422E 01 | QZF(268)= | 5 0.1467E 01 | QZF(269)= | 5 0.1511E 01 | QZF(270)= | 5 0.1556E 01 |
| QZF(271)= | 5 0.1600E 01 | QZF(272)= | 5 0.1644E 01 | QZF(273)= | 5 0.1689E 01 | QZF(274)= | 5 0.1733E 01 | QZF(275)= | 5 0.1778E 01 |
| QZF(276)= | 5 0.1822E 01 | QZF(277)= | 5 0.1867E 01 | QZF(278)= | 5 0.1911E 01 | QZF(279)= | 5 0.1956E 01 | QZF(280)= | 5 0.2000E 01 |
| QZF(281)= | 5 0.2044E 01 | QZF(282)= | 5 0.2089E 01 | QZF(283)= | 5 0.2133E 01 | QZF(284)= | 5 0.2178E 01 | QZF(285)= | 5 0.2222E 01 |
| QZF(286)= | 5 0.2267E 01 | QZF(287)= | 5 0.2311E 01 | QZF(288)= | 5 0.2356E 01 | QZF(289)= | 5 0.2400E 01 | QZF(290)= | 5 0.2444E 01 |
| QZF(291)= | 5 0.2489E 01 | QZF(292)= | 5 0.2533E 01 | QZF(293)= | 5 0.2578E 01 | QZF(294)= | 5 0.2622E 01 | QZF(295)= | 5 0.2667E 01 |
| QZF(296)= | 5 0.2711E 01 | QZF(297)= | 5 0.2756E 01 | QZF(298)= | 5 0.2800E 01 | QZF(299)= | 5 0.2844E 01 | QZF(300)= | 5 0.2889E 01 |

QZF(301)= 5 0.2933F 01
QZF(306)= 5 0.3155E 01
QZF(311)= 7 0.3933E 01
QZF(316)= 7 0.4933E 01
QZF(302)= 5 0.2974E 01
QZF(307)= 5 0.3200E 01
QZF(312)= 7 0.4400E 01
QZF(317)= 7 0.4733F 01
QZF(303)= 5 0.3072E 01
QZF(308)= 5 0.3244F 01
QZF(313)= 7 0.4733F 01
QZF(318)= 7 0.4400F 01
QZF(304)= 5 0.2067E 01
QZF(309)= 5 0.3289E 01
QZF(314)= 7 0.4633E 01
QZF(319)= 7 0.3633E 01
QZF(305)= 5 0.3111E 01
QZF(310)= 7 0.3333E 01
QZF(315)= 7 0.5000E 01
QZF(320)= 1 0.5926E 02

Q(286)= 5 0.2711E 01
Q(291)= 5 0.3093E 01
Q(296)= 5 0.3490E 01
Q(301)= 5 0.3902E 01
Q(306)= 5 0.4329E 01
Q(311)= 7 0.6470E 01
Q(316)= 7 0.1047E 02
Q(287)= 5 0.2786E 01
Q(292)= 5 0.3173E 01
Q(297)= 5 0.3573E 01
Q(302)= 5 0.3986E 01
Q(307)= 5 0.4416E 01
Q(312)= 7 0.7533E 01
Q(317)= 7 0.1087E 02
Q(288)= 5 0.2862E 01
Q(293)= 5 0.3250E 01
Q(298)= 5 0.3653E 01
Q(303)= 5 0.4071E 01
Q(308)= 5 0.4504E 01
Q(313)= 7 0.8469E 01
Q(318)= 7 0.1114E 02
Q(289)= 5 0.2939E 01
Q(294)= 5 0.3330E 01
Q(299)= 5 0.3736E 01
Q(304)= 5 0.4156E 01
Q(309)= 5 0.4592E 01
Q(314)= 7 0.9269E 01
Q(319)= 7 0.1127E 02
Q(290)= 5 0.3016E 01
Q(295)= 5 0.3410E 01
Q(300)= 5 0.3819E 01
Q(305)= 5 0.4242E 01
Q(310)= 7 0.5270E 01
Q(315)= 7 0.9936E 01
Q(320)=** 0.1185E 02

NORMAL SKIN STRESSES - (COMPRESSION) + (TENSION)

| | | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------|
| SIGMA(1) = 0.1185F 03 | SIGMA(2) = 0.1176E 03 | SIGMA(3) = 0.1168F 03 | SIGMA(4) = 0.1150E 03 | SIGMA(5) = 0.1150F 03 |
| SIGMA(6) = 0.1141E 03 | SIGMA(7) = 0.1132F 03 | SIGMA(8) = 0.1124E 03 | SIGMA(9) = 0.1115E 03 | SIGMA(10) = 0.1106E 03 |
| SIGMA(11) = 0.1098E 03 | SIGMA(12) = 0.1090F 03 | SIGMA(13) = 0.1082E 03 | SIGMA(14) = 0.1075F 03 | SIGMA(15) = 0.1067E 03 |
| SIGMA(16) = 0.1059E 03 | SIGMA(17) = 0.1051E 03 | SIGMA(18) = 0.1043E 03 | SIGMA(19) = 0.1035E 03 | SIGMA(20) = 0.1027E 03 |
| SIGMA(21) = 0.1019E 03 | SIGMA(22) = 0.1011E 03 | SIGMA(23) = 0.1003E 03 | SIGMA(24) = 0.9955E 02 | SIGMA(25) = 0.9876E 02 |
| SIGMA(26) = 0.9797E 02 | SIGMA(27) = 0.9718E 02 | SIGMA(28) = 0.9639E 02 | SIGMA(29) = 0.9560E 02 | SIGMA(30) = 0.9481E 02 |
| SIGMA(31) = 0.9402E 02 | SIGMA(32) = 0.9323E 02 | SIGMA(33) = 0.9244E 02 | SIGMA(34) = 0.9165E 02 | SIGMA(35) = 0.9086F 02 |
| SIGMA(36) = 0.9007E 02 | SIGMA(37) = 0.8928E 02 | SIGMA(38) = 0.8849E 02 | SIGMA(39) = 0.8770E 02 | SIGMA(40) = 0.8691F 02 |
| SIGMA(41) = 0.8612E 02 | SIGMA(42) = 0.8533F 02 | SIGMA(43) = 0.8454E 02 | SIGMA(44) = 0.8375E 02 | SIGMA(45) = 0.8296E 02 |
| SIGMA(46) = 0.8217E 02 | SIGMA(47) = 0.8138E 02 | SIGMA(48) = 0.8059E 02 | SIGMA(49) = 0.7980E 02 | SIGMA(50) = 0.7901F 02 |
| SIGMA(51) = 0.7822F 02 | SIGMA(52) = 0.7743F 02 | SIGMA(53) = 0.7664E 02 | SIGMA(54) = 0.7585E 02 | SIGMA(55) = 0.7506E 02 |
| SIGMA(56) = 0.7427E 02 | SIGMA(57) = 0.7348E 02 | SIGMA(58) = 0.7269E 02 | SIGMA(59) = 0.7190E 02 | SIGMA(60) = 0.7111E 02 |
| SIGMA(61) = 0.7032F 02 | SIGMA(62) = 0.6953E 02 | SIGMA(63) = 0.6874E 02 | SIGMA(64) = 0.6795E 02 | SIGMA(65) = 0.6716E 02 |
| SIGMA(66) = 0.6637E 02 | SIGMA(67) = 0.6558E 02 | SIGMA(68) = 0.6479E 02 | SIGMA(69) = 0.6400E 02 | SIGMA(70) = 0.6321E 02 |
| SIGMA(71) = 0.6242E 02 | SIGMA(72) = 0.6163F 02 | SIGMA(73) = 0.6084E 02 | SIGMA(74) = 0.6005E 02 | SIGMA(75) = 0.5926E 02 |
| SIGMA(76) = 0.5847E 02 | SIGMA(77) = 0.5768E 02 | SIGMA(78) = 0.5689E 02 | SIGMA(79) = 0.5610E 02 | SIGMA(80) = 0.5531E 02 |
| SIGMA(81) = 0.5452E 02 | SIGMA(82) = 0.5373E 02 | SIGMA(83) = 0.5294E 02 | SIGMA(84) = 0.5215E 02 | SIGMA(85) = 0.5136E 02 |
| SIGMA(86) = 0.5057E 02 | SIGMA(87) = 0.4978E 02 | SIGMA(88) = 0.4899E 02 | SIGMA(89) = 0.4820E 02 | SIGMA(90) = 0.4741E 02 |
| SIGMA(91) = 0.4662E 02 | SIGMA(92) = 0.4583F 02 | SIGMA(93) = 0.4504E 02 | SIGMA(94) = 0.4425E 02 | SIGMA(95) = 0.4346E 02 |
| SIGMA(96) = 0.4267E 02 | SIGMA(97) = 0.4188E 02 | SIGMA(98) = 0.4109E 02 | SIGMA(99) = 0.4030E 02 | SIGMA(100) = 0.3950E 02 |
| SIGMA(101) = 0.3871E 02 | SIGMA(102) = 0.3792E 02 | SIGMA(103) = 0.3713F 02 | SIGMA(104) = 0.3634E 02 | SIGMA(105) = 0.3555E 02 |
| SIGMA(106) = 0.3476E 02 | SIGMA(107) = 0.3397E 02 | SIGMA(108) = 0.3318E 02 | SIGMA(109) = 0.3239E 02 | SIGMA(110) = 0.3160E 02 |
| SIGMA(111) = 0.3081E 02 | SIGMA(112) = 0.3002E 02 | SIGMA(113) = 0.2923E 02 | SIGMA(114) = 0.2844E 02 | SIGMA(115) = 0.2765E 02 |
| SIGMA(116) = 0.2686E 02 | SIGMA(117) = 0.2607E 02 | SIGMA(118) = 0.2528E 02 | SIGMA(119) = 0.2449E 02 | SIGMA(120) = 0.2370E 02 |
| SIGMA(121) = 0.2291E 02 | SIGMA(122) = 0.2212E 02 | SIGMA(123) = 0.2133E 02 | SIGMA(124) = 0.2054E 02 | SIGMA(125) = 0.1975E 02 |
| SIGMA(126) = 0.1896E 02 | SIGMA(127) = 0.1817E 02 | SIGMA(128) = 0.1738E 02 | SIGMA(129) = 0.1659E 02 | SIGMA(130) = 0.1580E 02 |
| SIGMA(131) = 0.1501E 02 | SIGMA(132) = 0.1422E 02 | SIGMA(133) = 0.1343E 02 | SIGMA(134) = 0.1264E 02 | SIGMA(135) = 0.1185E 02 |
| SIGMA(136) = 0.1106E 02 | SIGMA(137) = 0.1027E 02 | SIGMA(138) = 0.9481E 01 | SIGMA(139) = 0.8691E 01 | SIGMA(140) = 0.7901E 01 |
| SIGMA(141) = 0.7111E 01 | SIGMA(142) = 0.6321E 01 | SIGMA(143) = 0.5531E 01 | SIGMA(144) = 0.4741E 01 | SIGMA(145) = 0.3950E 01 |
| SIGMA(146) = 0.3160E 01 | SIGMA(147) = 0.2370E 01 | SIGMA(148) = 0.1580E 01 | SIGMA(149) = 0.7900E 00 | SIGMA(150) = 0.1221E -03 |
| SIGMA(151) = 0.1185E 02 | SIGMA(152) = 0.2370E 02 | SIGMA(153) = 0.3555E 02 | SIGMA(154) = 0.4741E 02 | SIGMA(155) = 0.5926E 02 |
| SIGMA(156) = 0.7111E 02 | SIGMA(157) = 0.8996E 02 | SIGMA(158) = 0.9481E 02 | SIGMA(159) = 0.1067E 03 | SIGMA(160) = 0.1185E 03 |
| SIGMA(161) = 0.1177E 03 | SIGMA(162) = 0.1169E 03 | SIGMA(163) = 0.1161E 03 | SIGMA(164) = 0.1154F 03 | SIGMA(165) = 0.1146E 03 |
| SIGMA(166) = 0.1138F 03 | SIGMA(167) = 0.1130F 03 | SIGMA(168) = 0.1122E 03 | SIGMA(169) = 0.1114E 03 | SIGMA(170) = 0.1106E 03 |
| SIGMA(171) = 0.1098E 03 | SIGMA(172) = 0.1090F 03 | SIGMA(173) = 0.1082E 03 | SIGMA(174) = 0.1075F 03 | SIGMA(175) = 0.1067E 03 |
| SIGMA(176) = 0.1059E 03 | SIGMA(177) = 0.1051E 03 | SIGMA(178) = 0.1043E 03 | SIGMA(179) = 0.1035E 03 | SIGMA(180) = 0.1027E 03 |
| SIGMA(181) = 0.1019E 03 | SIGMA(182) = 0.1011E 03 | SIGMA(183) = 0.1003E 03 | SIGMA(184) = 0.9955E 02 | SIGMA(185) = 0.9876E 02 |
| SIGMA(186) = 0.9797E 02 | SIGMA(187) = 0.9718E 02 | SIGMA(188) = 0.9639E 02 | SIGMA(189) = 0.9560E 02 | SIGMA(190) = 0.9481E 02 |
| SIGMA(191) = 0.9402E 02 | SIGMA(192) = 0.9323E 02 | SIGMA(193) = 0.9244E 02 | SIGMA(194) = 0.9165E 02 | SIGMA(195) = 0.9086E 02 |
| SIGMA(196) = 0.9007E 02 | SIGMA(197) = 0.8928E 02 | SIGMA(198) = 0.8849E 02 | SIGMA(199) = 0.8770E 02 | SIGMA(200) = 0.8691E 02 |
| SIGMA(201) = 0.8612E 02 | SIGMA(202) = 0.8533F 02 | SIGMA(203) = 0.8454E 02 | SIGMA(204) = 0.8375E 02 | SIGMA(205) = 0.8296E 02 |
| SIGMA(206) = 0.8217E 02 | SIGMA(207) = 0.8138E 02 | SIGMA(208) = 0.8059E 02 | SIGMA(209) = 0.7980E 02 | SIGMA(210) = 0.7901F 02 |
| SIGMA(211) = 0.7822E 02 | SIGMA(212) = 0.7743E 02 | SIGMA(213) = 0.7664E 02 | SIGMA(214) = 0.7585E 02 | SIGMA(215) = 0.7506E 02 |
| SIGMA(216) = 0.7427E 02 | SIGMA(217) = 0.7348E 02 | SIGMA(218) = 0.7269E 02 | SIGMA(219) = 0.7190E 02 | SIGMA(220) = 0.7111E 02 |
| SIGMA(221) = 0.7032E 02 | SIGMA(222) = 0.6953E 02 | SIGMA(223) = 0.6874E 02 | SIGMA(224) = 0.6795E 02 | SIGMA(225) = 0.6716E 02 |
| SIGMA(226) = 0.6637E 02 | SIGMA(227) = 0.6558E 02 | SIGMA(228) = 0.6479E 02 | SIGMA(229) = 0.6400E 02 | SIGMA(230) = 0.6321E 02 |
| SIGMA(231) = 0.6242E 02 | SIGMA(232) = 0.6163E 02 | SIGMA(233) = 0.6084E 02 | SIGMA(234) = 0.6005E 02 | SIGMA(235) = 0.5926E 02 |
| SIGMA(236) = 0.5847E 02 | SIGMA(237) = 0.5768E 02 | SIGMA(238) = 0.5689E 02 | SIGMA(239) = 0.5610E 02 | SIGMA(240) = 0.5531F 02 |
| SIGMA(241) = 0.5452E 02 | SIGMA(242) = 0.5373E 02 | SIGMA(243) = 0.5294E 02 | SIGMA(244) = 0.5215E 02 | SIGMA(245) = 0.5136E 02 |
| SIGMA(246) = 0.5057E 02 | SIGMA(247) = 0.4978E 02 | SIGMA(248) = 0.4899E 02 | SIGMA(249) = 0.4820E 02 | SIGMA(250) = 0.4741E 02 |
| SIGMA(251) = 0.4662E 02 | SIGMA(252) = 0.4583E 02 | SIGMA(253) = 0.4504E 02 | SIGMA(254) = 0.4425E 02 | SIGMA(255) = 0.4346E 02 |
| SIGMA(256) = 0.4267E 02 | SIGMA(257) = 0.4188E 02 | SIGMA(258) = 0.4109E 02 | SIGMA(259) = 0.4030E 02 | SIGMA(260) = 0.3950E 02 |
| SIGMA(261) = 0.3871E 02 | SIGMA(262) = 0.3792E 02 | SIGMA(263) = 0.3713E 02 | SIGMA(264) = 0.3634F 02 | SIGMA(265) = 0.3555E 02 |
| SIGMA(266) = 0.3476E 02 | SIGMA(267) = 0.3397E 02 | SIGMA(268) = 0.3318E 02 | SIGMA(269) = 0.3239E 02 | SIGMA(270) = 0.3160E 02 |
| SIGMA(271) = 0.3081E 02 | SIGMA(272) = 0.3002E 02 | SIGMA(273) = 0.2923E 02 | SIGMA(274) = 0.2844E 02 | SIGMA(275) = 0.2765E 02 |
| SIGMA(276) = 0.2686E 02 | SIGMA(277) = 0.2607E 02 | SIGMA(278) = 0.2528E 02 | SIGMA(279) = 0.2449E 02 | SIGMA(280) = 0.2370F 02 |
| SIGMA(281) = 0.2291E 02 | SIGMA(282) = 0.2212E 02 | SIGMA(283) = 0.2133E 02 | SIGMA(284) = 0.2054E 02 | SIGMA(285) = 0.1975E 02 |
| SIGMA(286) = 0.1896E 02 | SIGMA(287) = 0.1817E 02 | SIGMA(288) = 0.1738E 02 | SIGMA(289) = 0.1659E 02 | SIGMA(290) = 0.1580E 02 |
| SIGMA(291) = 0.1501E 02 | SIGMA(292) = 0.1422E 02 | SIGMA(293) = 0.1343E 02 | SIGMA(294) = 0.1264E 02 | SIGMA(295) = 0.1185E 02 |

SIGMA(287)=-0.1106F 02
SIGMA(301)=-0.7111E 01
SIGMA(306)=-0.3170E 01
SIGMA(311)= 0.1195E 02
SIGMA(316)= 0.7111E 02
SIGMA(297)=-0.1027F 02
SIGMA(302)=-0.6521F 01
SIGMA(307)=-0.2370E 01
SIGMA(312)= 0.2370F 02
SIGMA(317)= 0.8396F 02
SIGMA(298)=-0.9481E 01
SIGMA(303)=-0.5531E 01
SIGMA(308)=-0.1580E 01
SIGMA(313)= 0.3555E 02
SIGMA(318)= 0.9481E 02
SIGMA(299)=-0.8691E 01
SIGMA(304)=-0.4741E 01
SIGMA(309)=-0.7900F 00
SIGMA(314)= 0.4741E 02
SIGMA(319)= 0.1067E 03
SIGMA(300)=-0.7901E 01
SIGMA(305)=-0.3650F 01
SIGMA(310)= 0.1221E-03
SIGMA(315)= 0.5926E 02
SIGMA(320)= 0.2000E 02

YLOCAT
0.0
0.10000E 02

7
0.0
0.24625E-03

X
0.0
-0.24625E-03

TWIST
0.0
-0.39150E-04

ABOUT THE X,Z AXIS

THE AIRFOIL SHAPE AT SECTION 20.000 IS DEFINED BY THE REFERENCE X,Z COORDINATES

| | | | |
|---------|--------|---------|--------|
| X(1)= | 0.0 | Z(1)= | 0.0 |
| X(2)= | 1.500 | Z(2)= | 0.0 |
| X(3)= | 3.000 | Z(3)= | 0.0 |
| X(4)= | 4.500 | Z(4)= | 0.0 |
| X(5)= | 6.000 | Z(5)= | 0.0 |
| X(6)= | 7.500 | Z(6)= | 0.0 |
| X(7)= | 9.000 | Z(7)= | 0.0 |
| X(8)= | 10.500 | Z(8)= | 0.0 |
| X(9)= | 12.000 | Z(9)= | 0.0 |
| X(10)= | 13.500 | Z(10)= | 0.0 |
| X(11)= | 15.000 | Z(11)= | 0.0 |
| X(12)= | 16.500 | Z(12)= | 0.0 |
| X(13)= | 18.000 | Z(13)= | 0.0 |
| X(14)= | 19.500 | Z(14)= | 0.0 |
| X(15)= | 21.000 | Z(15)= | 0.0 |
| X(16)= | 22.500 | Z(16)= | 0.0 |
| X(17)= | 22.500 | Z(17)= | 22.500 |
| X(18)= | 21.000 | Z(18)= | 22.500 |
| X(19)= | 19.500 | Z(19)= | 22.500 |
| X(20)= | 18.000 | Z(20)= | 22.500 |
| X(21)= | 16.500 | Z(21)= | 22.500 |
| X(22)= | 15.000 | Z(22)= | 22.500 |
| X(23)= | 13.500 | Z(23)= | 22.500 |
| X(24)= | 12.000 | Z(24)= | 22.500 |
| X(25)= | 10.400 | Z(25)= | 22.500 |
| X(26)= | 9.000 | Z(26)= | 22.500 |
| X(27)= | 7.500 | Z(27)= | 22.500 |
| X(28)= | 6.000 | Z(28)= | 22.500 |
| X(29)= | 4.500 | Z(29)= | 22.500 |
| X(30)= | 3.000 | Z(30)= | 22.500 |
| X(31)= | 1.500 | Z(31)= | 22.500 |
| X(32)= | 0.0 | Z(32)= | 22.500 |

BY THE ROTATED REFERENCE XP,7P AXIS

| | | | |
|----------|--------|----------|--------|
| XP(1)= | 0.0 | ZP(1)= | 0.0 |
| XP(2)= | 1.500 | ZP(2)= | 0.0 |
| XP(3)= | 3.000 | ZP(3)= | 0.0 |
| XP(4)= | 4.500 | ZP(4)= | 0.0 |
| XP(5)= | 6.000 | ZP(5)= | 0.0 |
| XP(6)= | 7.500 | ZP(6)= | 0.0 |
| XP(7)= | 9.000 | ZP(7)= | 0.0 |
| XP(8)= | 10.500 | ZP(8)= | 0.0 |
| XP(9)= | 12.000 | ZP(9)= | 0.0 |
| XP(10)= | 13.500 | ZP(10)= | 0.0 |
| XP(11)= | 15.000 | ZP(11)= | 0.0 |
| XP(12)= | 16.500 | ZP(12)= | 0.0 |
| XP(13)= | 18.000 | ZP(13)= | 0.0 |
| XP(14)= | 19.500 | ZP(14)= | 0.0 |
| XP(15)= | 21.000 | ZP(15)= | 0.0 |
| XP(16)= | 22.500 | ZP(16)= | 0.0 |
| XP(17)= | 22.500 | ZP(17)= | 22.500 |
| XP(18)= | 21.000 | ZP(18)= | 22.500 |
| XP(19)= | 19.500 | ZP(19)= | 22.500 |
| XP(20)= | 18.000 | ZP(20)= | 22.500 |
| XP(21)= | 16.500 | ZP(21)= | 22.500 |
| XP(22)= | 15.000 | ZP(22)= | 22.500 |
| XP(23)= | 13.500 | ZP(23)= | 22.500 |
| XP(24)= | 12.000 | ZP(24)= | 22.500 |
| XP(25)= | 10.400 | ZP(25)= | 22.500 |
| XP(26)= | 9.000 | ZP(26)= | 22.500 |
| XP(27)= | 7.500 | ZP(27)= | 22.500 |
| XP(28)= | 6.000 | ZP(28)= | 22.500 |
| XP(29)= | 4.500 | ZP(29)= | 22.500 |
| XP(30)= | 3.000 | ZP(30)= | 22.500 |
| XP(31)= | 1.500 | ZP(31)= | 22.500 |
| XP(32)= | 0.0 | ZP(32)= | 22.500 |

THE ANGLE IN DEGREES BETWEEN X AND XP AXIS 0.0
 THE LOCATION OF THE AERODYNAMIC CENTER X= 22.500 Z= 22.500
 CHORD ANGLE IN DEGREES 0.0 ANGLE OF ATTACK IN DEGREES 0.0

SKIN THICKNESS 0.250
 MOMENT OF INERTIA ABOUT THE X AXIS 0.18995E 04
 MOMENT OF INERTIA ABOUT THE Z AXIS 0.18995E 04
 PRODUCT OF INERTIA ABOUT THE X,Z AXIS -0.17090E-02
 POLAR MOMENT OF INERTIA ABOUT THE X,Z AXIS 0.37970E 04

CENTROID LOCATION X= 11.250 7= 11.250
 SHEAR IN THE X DIRECTION -0.16000E 03
 SHEAR IN THE Z DIRECTION 0.15000E 03
 MOMENT ABOUT THE 7 AXIS 0.64000E 04
 MOMENT ABOUT THE X AXIS 0.64000E 04
 TORQUE ABOUT THE AERODYNAMIC CENTER -0.16000E 03
 TORQUE ABOUT THE SHEAR CENTER -0.37553E 04
 SHEAR CENTER LOCATION X= 11.279 7= 11.251

YLUCAT
0.20000E 02
0.30000E 02
0.40000E 02
0.50000E 02
0.60000E 02

Z
C.92003E-02
C.19318E-02
C.32025E-02
C.46638E-02
C.62576E-02

X
-0.92003E-03
-0.19318E-02
-0.32025E-02
-0.46638E-02
-0.62576E-02

TWIST ABOUT THE X+Z AXIS
-0.74178E-04
-0.10509E-03
-0.13187E-02
-0.15454E-03
-0.17308E-02

THE AIRFOIL SHAPE AT SECTION 70.000 IS DEFINED
BY THE REFERENCE X,Z COORDINATES

X(1)= 0.0 Z(1)= 0.0
X(2)= 1.500 Z(2)= 0.0
X(3)= 3.000 Z(3)= 0.0
X(4)= 4.500 Z(4)= 0.0
X(5)= 6.000 Z(5)= 0.0
X(6)= 7.500 Z(6)= 0.0
X(7)= 9.000 Z(7)= 0.0
X(8)= 10.500 Z(8)= 0.0
X(9)= 12.000 Z(9)= 0.0
X(10)= 13.500 Z(10)= 0.0
X(11)= 15.000 Z(11)= 0.0
X(12)= 16.500 Z(12)= 0.0
X(13)= 18.000 Z(13)= 0.0
X(14)= 19.500 Z(14)= 0.0
X(15)= 21.000 Z(15)= 0.0
X(16)= 22.500 Z(16)= 0.0
X(17)= 22.500 Z(17)= 22.500
X(18)= 21.000 Z(18)= 22.500
X(19)= 19.500 Z(19)= 22.500
X(20)= 18.000 Z(20)= 22.500
X(21)= 16.500 Z(21)= 22.500
X(22)= 15.000 Z(22)= 22.500
X(23)= 13.500 Z(23)= 22.500
X(24)= 12.000 Z(24)= 22.500
X(25)= 10.150 Z(25)= 22.500
X(26)= 9.000 Z(26)= 22.500
X(27)= 7.500 Z(27)= 22.500
X(28)= 6.000 Z(28)= 22.500
X(29)= 4.500 Z(29)= 22.500
X(30)= 3.000 Z(30)= 22.500
X(31)= 1.500 Z(31)= 22.500
X(32)= 0.0 Z(32)= 22.500

BY THE ROTATED REFERENCE XP,7P AXIS

XP(1)= 0.0 ZP(1)= 0.0
XP(2)= 1.500 ZP(2)= 0.0
XP(3)= 3.000 ZP(3)= 0.0
XP(4)= 4.500 ZP(4)= 0.0
XP(5)= 6.000 ZP(5)= 0.0
XP(6)= 7.500 ZP(6)= 0.0
XP(7)= 9.000 ZP(7)= 0.0
XP(8)= 10.500 ZP(8)= 0.0
XP(9)= 12.000 ZP(9)= 0.0
XP(10)= 13.500 ZP(10)= 0.0
XP(11)= 15.000 ZP(11)= 0.0
XP(12)= 16.500 ZP(12)= 0.0
XP(13)= 18.000 ZP(13)= 0.0
XP(14)= 19.500 ZP(14)= 0.0
XP(15)= 21.000 ZP(15)= 0.0
XP(16)= 22.500 ZP(16)= 0.0
XP(17)= 22.500 ZP(17)= 22.500
XP(18)= 21.000 ZP(18)= 22.500
XP(19)= 19.500 ZP(19)= 22.500
XP(20)= 18.000 ZP(20)= 22.500
XP(21)= 16.500 ZP(21)= 22.500
XP(22)= 15.000 ZP(22)= 22.500
XP(23)= 13.500 ZP(23)= 22.500
XP(24)= 12.000 ZP(24)= 22.500
XP(25)= 10.150 ZP(25)= 22.500
XP(26)= 9.000 ZP(26)= 22.500
XP(27)= 7.500 ZP(27)= 22.500
XP(28)= 6.000 ZP(28)= 22.500
XP(29)= 4.500 ZP(29)= 22.500
XP(30)= 3.000 ZP(30)= 22.500
XP(31)= 1.500 ZP(31)= 22.500
XP(32)= 0.0 ZP(32)= 22.500

THE ANGLE IN DEGREES BETWEEN X AND XP AXIS 0.0

THE LOCATION OF THE AERODYNAMIC CENTER X= 22.500 Z= 22.500

CHORD ANGLE IN DEGREES 0.0 ANGLE OF ATTACK IN DEGREES 0.0

SKIN THICKNESS 0.250

MOMENT OF INERTIA ABOUT THE X AXIS 0.18085E 04

MOMENT OF INERTIA ABOUT THE Z AXIS 0.18985E 04

PRODUCT OF INERTIA ABOUT THE X,Z AXIS -0.14648E-02

POLAR MOMENT OF INERTIA ABOUT THE X,Z AXIS 0.37970E 04

CENTROID LOCATION X= 11.250 Y= 11.250

SHEAR IN THE X DIRECTION -0.60000E 02

SHEAR IN THE Z DIRECTION 0.60000E 02

MOMENT ABOUT THE Z AXIS 0.90000E 03

MOMENT ABOUT THE X AXIS 0.90000E 03

TORQUE ABOUT THE AERODYNAMIC CENTER -0.60000E 02

TORQUE ABOUT THE SHEAR CENTER -0.14082E 04

SHEAR CENTER LOCATION X= 11.279 Y= 11.251

| | | | | |
|--------------------------|-------------|--------------|--------------|--------------------|
| YLOCAT | Z | X | TWIST | APOUT THE X,7 AXIS |
| 0.7000E 02 | 0.79366E-02 | -0.79366E-02 | -0.1P751E-02 | |
| 0.8000E 02 | 0.56638E-02 | -0.56638E-02 | -0.19781E-02 | |
| SKIN WEIGHT= 0.74250E C2 | | | | |
| CORE WEIGHT= 0.59725E 02 | | | | |
| 0.9000E 02 | 0.11413E-01 | -0.11413E-01 | -0.20399E-03 | |

THE AIRFOIL SHAPE AT SECTION 100.000 IS DEFINED BY THE REFERENCE X,Z COORDINATES

BY THE ROTATED REFERENCE XP,ZP AXIS

| | | | | | |
|---------|--------|---------|--------|----------|--------|
| X(1)= | 0.0 | Z(1)= | 0.0 | XP(1)= | 0.0 |
| X(2)= | 1.500 | Z(2)= | 0.0 | XP(2)= | 1.500 |
| X(3)= | 2.000 | Z(3)= | 0.0 | XP(3)= | 3.000 |
| X(4)= | 4.500 | Z(4)= | 0.0 | XP(4)= | 4.500 |
| X(5)= | 6.000 | Z(5)= | 0.0 | XP(5)= | 6.000 |
| X(6)= | 7.500 | Z(6)= | 0.0 | XP(6)= | 7.500 |
| X(7)= | 9.000 | Z(7)= | 0.0 | XP(7)= | 9.000 |
| X(8)= | 10.500 | Z(8)= | 0.0 | XP(8)= | 10.500 |
| X(9)= | 12.000 | Z(9)= | 0.0 | XP(9)= | 12.000 |
| X(10)= | 13.500 | Z(10)= | 0.0 | XP(10)= | 13.500 |
| X(11)= | 15.000 | Z(11)= | 0.0 | XP(11)= | 15.000 |
| X(12)= | 16.500 | Z(12)= | 0.0 | XP(12)= | 16.500 |
| X(13)= | 18.000 | Z(13)= | 0.0 | XP(13)= | 18.000 |
| X(14)= | 19.500 | Z(14)= | 0.0 | XP(14)= | 19.500 |
| X(15)= | 21.000 | Z(15)= | 0.0 | XP(15)= | 21.000 |
| X(16)= | 22.500 | Z(16)= | 0.0 | XP(16)= | 22.500 |
| X(17)= | 22.500 | Z(17)= | 22.500 | XP(17)= | 22.500 |
| X(18)= | 21.000 | Z(18)= | 22.500 | XP(18)= | 22.500 |
| X(19)= | 19.500 | Z(19)= | 22.500 | XP(19)= | 22.500 |
| X(20)= | 18.000 | Z(20)= | 22.500 | XP(20)= | 22.500 |
| X(21)= | 16.500 | Z(21)= | 22.500 | XP(21)= | 22.500 |
| X(22)= | 15.000 | Z(22)= | 22.500 | XP(22)= | 22.500 |
| X(23)= | 13.500 | Z(23)= | 22.500 | XP(23)= | 22.500 |
| X(24)= | 12.000 | Z(24)= | 22.500 | XP(24)= | 22.500 |
| X(25)= | 10.000 | Z(25)= | 22.500 | XP(25)= | 22.500 |
| X(26)= | 9.000 | Z(26)= | 22.500 | XP(26)= | 22.500 |
| X(27)= | 7.500 | Z(27)= | 22.500 | XP(27)= | 22.500 |
| X(28)= | 6.000 | Z(28)= | 22.500 | XP(28)= | 22.500 |
| X(29)= | 4.500 | Z(29)= | 22.500 | XP(29)= | 22.500 |
| X(30)= | 3.000 | Z(30)= | 22.500 | XP(30)= | 22.500 |
| X(31)= | 1.500 | Z(31)= | 22.500 | XP(31)= | 22.500 |
| X(32)= | 0.0 | Z(32)= | 22.500 | XP(32)= | 22.500 |

THE ANGLE IN DEGREES BETWEEN X AND XP AXIS 0.0

THE LOCATION OF THE AERODYNAMIC CENTER X= 22.500 Z= 22.500

CHORD ANGLE IN DEGREES 0.0 ANGLE OF ATTACK IN DEGREES 0.0

SKIN THICKNESS 0.250

MOMENT OF INERTIA ABOUT THE X AXIS 0.18985E 04

MOMENT OF INERTIA ABOUT THE Z AXIS 0.18985E 04

PRODUCT OF INERTIA ABOUT THE X,Z AXIS 0.0

POLAR MOMENT OF INERTIA ABOUT THE X,Z AXIS 0.37970E 04

CENTROID LOCATION X= 11.250 Z= 11.250

SHEAR IN THE X DIRECTION 0.0

SHEAR IN THE Z DIRECTION 0.0

MOMENT ABOUT THE Z AXIS 0.0

MOMENT ABOUT THE X AXIS 0.0

TORQUE ABOUT THE AERODYNAMIC CENTER 0.0

TOPOUE ABOUT THE SHEAR CENTER 0.0

SHEAR CENTER LOCATION X= 11.279 Z= 11.251

YLOCAT
0.10000E 03

Z
C.13168E-01

X
-0.13179E-01

TWIST ABOUT THE X, Y AXIS
-0.20605E-03