

98 High Work Low Aspect Ratio Turbine NASA TM83655, 1984

Table TB\_MinPressRatio (real NcorrPMap) {

```
NcorrMap= { 0.010000000 0.025000000 0.050000001 0.075000003 0.100000001
            0.200000003 0.300000012 0.400000006 0.500000000 0.600000024
            0.699999988 0.800000012 0.899999976 1.000000000 1.049999952
            1.100000024 }
MinPqPMap= { 0.999870121 0.999563217 0.998752952 0.997569084 0.996011674
            0.986046791 0.970105290 0.948187172 0.920292497 0.882379532
            0.844442785 0.804677427 0.763083518 0.719660997 0.697264075
            0.674409926 }
```

}

Table TB\_MaxPressRatio (real NcorrMap) {

```
NcorrMap= { 0.010000000 0.025000000 0.050000001 0.075000003 0.100000001
            0.200000003 0.300000012 0.400000006 0.500000000 0.600000024
            0.699999988 0.800000012 0.899999976 1.000000000 1.049999952
            1.100000024 }
MaxPqPMap= { 1.010851860 1.013842940 1.024596214 1.042559743 1.067733765
            1.240533590 1.528699517 1.932231307 2.451128960 3.012532234
            3.470337868 3.849668026 4.150521755 4.372900009 4.454660416
            4.516801834 }
```

}

Table TB\_MassFlow (real NCorrMap,real BetaMap) {

```
NcorrMap= 0.010000000 {
BetaMap= { 0.000000000 0.020408163 0.040816326 0.061224490 0.081632651
            0.102040820 0.122448981 0.142857149 0.163265303 0.183673471
            0.204081640 0.224489793 0.244897962 0.265306115 0.285714298
            0.306122452 0.326530606 0.346938789 0.367346942 0.387755096
            0.408163279 0.428571433 0.448979586 0.469387770 0.489795923
            0.510204077 0.530612230 0.551020384 0.571428597 0.591836751
            0.612244904 0.632653058 0.653061211 0.673469365 0.693877578
            0.714285731 0.734693885 0.755102038 0.775510192 0.795918345
            0.816326559 0.836734712 0.857142866 0.877551019 0.897959173
            0.918367326 0.938775539 0.959183693 0.979591846 1.000000000 }
WcorrMap= { 0.000243902 0.031663973 0.062681742 0.093699515 0.123747982
            0.148949921 0.177059770 0.202261716 0.226494342 0.247819066
            0.269143790 0.289852709 0.304582655 0.319643110 0.332486212
            0.345329314 0.358904094 0.370283782 0.382651389 0.395238250
            0.404422820 0.416371614 0.429214686 0.438643157 0.449209809
            0.459247142 0.468085110 0.475941092 0.485761046 0.494599015
            0.503633380 0.510965645 0.520130932 0.529754519 0.537545025
            0.546093583 0.553245604 0.562674105 0.570964336 0.580392778
            0.588870704 0.596973300 0.606401742 0.613553762 0.622258604
            0.631096542 0.637970567 0.644844532 0.651718497 0.658592463 }
```

}

NcorrMap= 0.025000000 {

```
BetaMap= *;  
WcorrMap={ 0.000731707 0.025895143 0.055042319 0.089525372 0.118821606  
0.146317512 0.174959078 0.201309323 0.224222586 0.249590829  
0.272176772 0.292798698 0.310474634 0.332165331 0.348223090  
0.365957439 0.382651389 0.399345338 0.412111282 0.427004904  
0.441571206 0.454337150 0.468085110 0.482815057 0.495581001  
0.507364988 0.519148946 0.530632317 0.544413626 0.555755913  
0.568724215 0.579253495 0.590595782 0.601125062 0.612467349  
0.622996747 0.633526027 0.643242300 0.652958572 0.661861837  
0.669952035 0.679668307 0.691010654 0.699100971 0.707191229  
0.715281487 0.723371744 0.731462002 0.741178274 0.750081539 }
```

```
}
```

```
NcorrMap= 0.050000001 {
```

```
BetaMap= *;
```

```
WcorrMap={ 0.000731707 0.029666983 0.060878687 0.091846481 0.128911853  
0.163375571 0.196538478 0.231002212 0.262864351 0.297110558  
0.332885504 0.363343239 0.393800974 0.420456827 0.445853800  
0.466683030 0.489796132 0.512909234 0.534796894 0.555272162  
0.575747192 0.597523153 0.614095926 0.633317113 0.651143789  
0.669017315 0.686521769 0.705327034 0.722831488 0.739035070  
0.755238831 0.771442473 0.786345243 0.800500333 0.814478040  
0.829262316 0.840505183 0.855370820 0.870236397 0.883963883  
0.894276500 0.905364096 0.915313542 0.924124837 0.936350584  
0.948576391 0.958525777 0.971889853 0.978424609 0.990650415 }
```

```
}
```

```
NcorrMap= 0.075000003 {
```

```
BetaMap= *;
```

```
WcorrMap={ -0.000915833 0.038063064 0.080164902 0.120812781 0.165822521  
0.207924366 0.247118309 0.290674090 0.334420890 0.380097866  
0.421207190 0.462316483 0.501141906 0.544535100 0.578792810  
0.610766709 0.640456796 0.669986665 0.701290250 0.731810749  
0.761500835 0.788906991 0.809461653 0.830016315 0.849632978  
0.871463418 0.892329931 0.912267089 0.931316614 0.949517488  
0.966921806 0.983583272 0.999561369 1.014921904 1.029729366  
1.044061065 1.057994485 1.071615577 1.085009456 1.096762657  
1.108483076 1.120276093 1.132246614 1.143246412 1.154656887  
1.166604757 1.176212549 1.188153744 1.196459770 1.208400607 }
```

```
}
```

```
NcorrMap= 0.100000001 {
```

```
BetaMap= *;
```

```
WcorrMap={ 0.000975610 0.046526656 0.104390241 0.157398373 0.218861789  
0.271219522 0.323577225 0.380487800 0.430569112 0.485203266  
0.539837420 0.594471574 0.639999986 0.692357719 0.731056929  
0.770274639 0.803877234 0.837479830 0.863327920 0.894345701  
0.922778666 0.948626816 0.979644597 1.000323057 1.023586392
```

```

1.044264913 1.067528248 1.090791583 1.108885288 1.129563808
1.145072699 1.163166404 1.181260109 1.199353814 1.217447519
1.230371594 1.245880485 1.263974190 1.279483080 1.297576785
1.310500860 1.328594565 1.349272966 1.362197042 1.377705932
1.395799637 1.406138897 1.419062972 1.431987047 1.444911122 }
}
NcorrMap= 0.200000003{
BetaMap= *;
WcorrMap= { -3.3556E-017 0.104577273 0.210374057 0.320929050 0.432943225
0.521717250 0.628095686 0.723027349 0.814041674 0.893609226
0.984623611 1.069914341 1.149482012 1.229049683 1.291447043
1.359567881 1.427688599 1.484362721 1.545397162 1.603434324
1.654384971 1.705335736 1.744839787 1.784343600 1.818124175
1.857628107 1.893952489 1.925189376 1.961672187 1.994392514
2.025832653 2.053433180 2.082313538 2.104794025 2.127274513
2.152314663 2.174795151 2.195995569 2.217195988 2.238396406
2.255756855 2.275676966 2.291757107 2.307837725 2.323918104
2.339998484 2.354799032 2.368319035 2.383119583 2.395359993 }
}
NcorrMap= 0.300000012{
BetaMap= *;
WcorrMap= { 0.003902439 0.173658535 0.321951210 0.501463413 0.657561004
0.809756100 0.950243890 1.082926869 1.211707354 1.344390273
1.470175385 1.585008025 1.679425836 1.761084557 1.835087776
1.906341434 1.976585388 2.035772324 2.099512100 2.151870012
2.199674845 2.242926836 2.290937901 2.324877977 2.365231276
2.404755592 2.445273638 2.482913017 2.516372681 2.547464609
2.579339266 2.610640764 2.638925314 2.664496422 2.688319445
2.710912704 2.732439280 2.752970695 2.772559404 2.791239977
2.809036016 2.825965881 2.842036724 2.857256174 2.871632576
2.885105610 2.897638559 2.909413099 2.921217203 2.933261633 }
}
NcorrMap= 0.400000006{
BetaMap= *;
WcorrMap= { 0.001951220 0.234146342 0.454208434 0.662939727 0.867051601
1.065732718 1.260560989 1.446218371 1.613967180 1.761009216
1.892066121 2.012309074 2.122579336 2.221545219 2.308875799
2.385080814 2.451233864 2.510078669 2.564806700 2.616501808
2.664251328 2.706743002 2.743453503 2.775068521 2.803109884
2.829187632 2.854237080 2.878275871 2.901002169 2.922311068
2.941992998 2.959638834 2.975340128 2.989593267 3.002577305
3.014387131 3.025408983 3.036118984 3.046808958 3.057451963
3.067626238 3.076900959 3.085168362 3.092548370 3.099573612
3.106492043 3.113272429 3.119742870 3.125680447 3.131062508 }
}

```

```
NcorrMap= 0.500000000 {
  BetaMap= *;
  WcorrMap={ 0.001300813 0.292682916 0.558677256 0.835158348 1.120144248
    1.385632157 1.615671396 1.813608289 1.988204241 2.144881964
    2.280699015 2.394560575 2.491029739 2.574566126 2.647410631
    2.710329771 2.763922215 2.809308290 2.848444700 2.883516312
    2.915577173 2.944418430 2.969445229 2.990787506 3.009612083
    3.026987076 3.043267250 3.058436155 3.072257042 3.084281206
    3.094389915 3.103106499 3.110848665 3.117594004 3.123767614
    3.130093098 3.136321783 3.141684771 3.146198750 3.150102377
    3.153036356 3.154982328 3.156762600 3.158732891 3.160660267
    3.162246227 3.163222790 3.163832903 3.164344072 3.165024042 }
}
```

```
NcorrMap= 0.600000024 {
  BetaMap= *;
  WcorrMap={ 0.001300813 0.319787860 0.619063258 0.933053613 1.282584667
    1.567771077 1.816757560 2.045338154 2.238456964 2.392202139
    2.516306162 2.617780685 2.705193281 2.779606342 2.839027405
    2.886254787 2.923856974 2.957199574 2.987688303 3.014091730
    3.037539005 3.059744120 3.079059362 3.094546318 3.106837034
    3.116785765 3.125805140 3.133307934 3.138541460 3.144580126
    3.150987387 3.154549360 3.156288147 3.157088518 3.157535315
    3.157773972 3.158032179 3.158225060 3.158206701 3.158071995
    3.157846928 3.157655478 3.157517195 3.157450676 3.157420635
    3.157416582 3.157416344 3.157416344 3.157416344 3.157416344 }
}
```

```
NcorrMap= 0.699999988 {
  BetaMap= *;
  WcorrMap={ 0.001300813 0.359636664 0.685122550 1.016273975 1.338920712
    1.673834324 1.973081827 2.195836544 2.375329494 2.512735367
    2.628164053 2.728692293 2.804074526 2.861334085 2.911959887
    2.955330610 2.991106749 3.024057627 3.053462744 3.077716351
    3.096245527 3.109141350 3.119829178 3.128513813 3.135207176
    3.140163422 3.143556595 3.145871878 3.147413015 3.148545265
    3.149308920 3.149714947 3.149807453 3.149718523 3.149617910
    3.149553061 3.149529219 3.149521589 3.149521589 3.149521589
    3.149521589 3.149521589 3.149521589 3.149521589 3.149521589
    3.149521589 3.149521589 3.149521589 3.149521589 3.149521589 }
}
```

```
NcorrMap= 0.800000012 {
  BetaMap= *;
  WcorrMap={ -0.003252032 0.366732627 0.721011460 1.070540071 1.424115777
    1.726459742 2.007900715 2.235281706 2.440583706 2.582978964
    2.695255041 2.781797171 2.853907108 2.913135529 2.960579395
    2.999358177 3.030918837 3.057667494 3.079343557 3.096018314
```

```

3.108887196 3.118617058 3.126110315 3.131587982 3.135412455
3.138117313 3.139864683 3.140884161 3.141376734 3.141559839
3.141617775 3.141625404 3.141626835 3.141626835 3.141626835
3.141626835 3.141626835 3.141626835 3.141626835 3.141626835
3.141626835 3.141626835 3.141626835 3.141626835 3.141626835
3.141626835 3.141626835 3.141626835 3.141626835 3.141626835 }
}
NcorrMap= 0.899999976 {
BetaMap= *;
WcorrMap={ 0.001300813 0.375589609 0.736818492 1.100297809 1.469249487
1.788325191 2.040802479 2.289599180 2.463987350 2.601913929
2.713377714 2.801495314 2.872468472 2.930139542 2.976481676
3.012780190 3.041391373 3.065254927 3.083904505 3.097852468
3.108929873 3.117486477 3.123847723 3.128130436 3.130737066
3.132301092 3.133136034 3.133540392 3.133692026 3.133725405
3.133732080 3.133732080 3.133732080 3.133732080 3.133732080
3.133732080 3.133732080 3.133732080 3.133732080 3.133732080
3.133732080 3.133732080 3.133732080 3.133732080 3.133732080
3.133732080 3.133732080 3.133732080 3.133732080 3.133732080 }
}
NcorrMap= 1.000000000 {
BetaMap= *;
WcorrMap={ 0.000487805 0.405853659 0.792845547 1.152520299 1.488057852
1.792958021 2.074177265 2.286022186 2.466393948 2.604289770
2.717756987 2.810600042 2.885798454 2.941536665 2.979270458
3.010871887 3.036814451 3.057780743 3.075125694 3.088948011
3.099422932 3.107135296 3.112610817 3.116354704 3.118637800
3.119915485 3.120515823 3.120733261 3.120800972 3.120812416
3.120813370 3.120813370 3.120813370 3.120813370 3.120815277
3.120811701 3.120805025 3.120805025 3.120821238 3.120853901
3.120861053 3.120846272 3.120826006 3.120815039 3.120813370
3.120813370 3.120813370 3.120813370 3.120813370 3.120813370 }
}
NcorrMap= 1.049999952 {
BetaMap= *;
WcorrMap={ 0.000487805 0.400414646 0.774045765 1.135189056 1.489439130
1.839493632 2.089550734 2.314242125 2.487648249 2.619588375
2.728952408 2.818842173 2.890611649 2.943171740 2.979240417
3.009464025 3.034351826 3.054499388 3.070937872 3.083868027
3.093734503 3.101029158 3.106196404 3.109789610 3.112033129
3.113333464 3.114044428 3.114351988 3.114463806 3.114515305
3.114572287 3.114638567 3.114683151 3.114704370 3.114711046
3.114710331 3.114710569 3.114717722 3.114727259 3.114733458
3.114729881 3.114722252 3.114715815 3.114713430 3.114712954
3.114712954 3.114712954 3.114712954 3.114712954 3.114712954 }
}

```

```

}
NcorrMap= 1.100000024{
BetaMap= *;
WcorrMap= { 0.001626016 0.382875621 0.756074071 1.129709959 1.490108013
1.817388296 2.098392248 2.339034557 2.514405012 2.647273540
2.754421473 2.837450743 2.897903204 2.943263292 2.977910042
3.007002115 3.030962467 3.050323248 3.066084623 3.078433990
3.087818861 3.094794750 3.099804401 3.103365660 3.105608702
3.106933832 3.107747078 3.108093500 3.108188391 3.108236551
3.108362198 3.108524799 3.108596087 3.108609676 3.108612537
3.108612537 3.108612537 3.108612537 3.108612537 3.108612537
3.108612537 3.108612537 3.108612537 3.108612537 3.108612537 }
}
}

```

```

Table TB_Efficiency (real NCorrMap,real BetaMap) {
NcorrMap= 0.010000000{
BetaMap= { 0.000000000 0.020408163 0.040816326 0.061224490 0.081632651
0.102040820 0.122448981 0.142857149 0.163265303 0.183673471
0.204081640 0.224489793 0.244897962 0.265306115 0.285714298
0.306122452 0.326530606 0.346938789 0.367346942 0.387755096
0.408163279 0.428571433 0.448979586 0.469387770 0.489795923
0.510204077 0.530612230 0.551020384 0.571428597 0.591836751
0.612244904 0.632653058 0.653061211 0.673469365 0.693877578
0.714285731 0.734693885 0.755102038 0.775510192 0.795918345
0.816326559 0.836734712 0.857142866 0.877551019 0.897959173
0.918367326 0.938775539 0.959183693 0.979591846 1.000000000 }
EffMap = { 1.072824836 -0.579459429 0.091067828 0.207655221 0.252698570
0.264190108 0.277916431 0.281928897 0.283298641 0.280193686
0.277755737 0.275080800 0.266572207 0.259758502 0.251972616
0.245269656 0.240010977 0.233783692 0.228957519 0.224801242
0.218961790 0.215329036 0.212541178 0.208165959 0.204752326
0.201358080 0.197658464 0.193795279 0.191079885 0.188139394
0.185480490 0.182321370 0.180069104 0.178127602 0.175640285
0.173564523 0.171130076 0.169585854 0.167757154 0.166382730
0.164787143 0.163158894 0.161997288 0.160241723 0.159000501
0.157852098 0.156231374 0.154680997 0.153196484 0.151773795 }
}

```

```

NcorrMap= 0.025000000{
BetaMap= *;
EffMap = { 1.738508105 4.056973457 -2.693151712 -0.367339820 0.050688673
0.218103930 0.317066580 0.370469987 0.395206571 0.420958608
0.433111519 0.437915623 0.435316116 0.441293925 0.435863018
0.434141427 0.430990636 0.428255737 0.420345187 0.416158050

```

```
0.412019759 0.406176388 0.402013212 0.399311751 0.394820124
0.389744192 0.385093242 0.380530745 0.378333211 0.374242157
0.371763736 0.367538214 0.364208251 0.360492021 0.357594222
0.354302913 0.351209104 0.347754568 0.344491661 0.340903431
0.337007701 0.334270805 0.332610697 0.329202086 0.325958580
0.322862744 0.319907665 0.317086846 0.315202385 0.312999427 }
}
NcorrMap= 0.050000001 {
BetaMap= *;
EffMap = { 1.802922964 2.572273731 7.404502869 -2.978528738 -0.570059955
-0.014012973 0.227232844 0.371626914 0.453173727 0.504851103
0.573367119 0.599276364 0.619877338 0.633544028 0.635489762
0.629186928 0.625821948 0.620679498 0.609859109 0.604335725
0.599465668 0.596917331 0.587886453 0.581346869 0.576966763
0.571520269 0.566143036 0.562568903 0.557988763 0.552514553
0.547442079 0.542737603 0.537236035 0.534820259 0.528809488
0.521390200 0.514417589 0.510535121 0.506874263 0.502626061
0.496280789 0.490783364 0.484827757 0.478452325 0.474494308
0.470726848 0.465792567 0.463053614 0.456588209 0.453541815 }
}
NcorrMap= 0.075000003 {
BetaMap= *;
EffMap = { 1.854236603 2.472103357 4.893161297 -6.508801460 -0.979713500
-0.177406400 0.127860785 0.314725935 0.420235515 0.507541478
0.579540968 0.618360639 0.639344275 0.651934445 0.662426233
0.668196738 0.670819700 0.672393441 0.667672157 0.663551748
0.658466518 0.653724790 0.648322821 0.642371476 0.635964930
0.629188418 0.622114122 0.614808321 0.607329905 0.599735498
0.592075646 0.584397495 0.576746404 0.569164097 0.561692953
0.554372251 0.547238946 0.540329278 0.533680737 0.526413858
0.519524693 0.513042390 0.506998181 0.500730276 0.494991362
0.489808947 0.483681172 0.478998303 0.472755402 0.468521982 }
}
NcorrMap= 0.100000001 {
BetaMap= *;
EffMap = { 1.931004286 2.580705166 4.716619015 -8.978636742 -1.074123263
-0.189077437 0.156065091 0.359326661 0.462565660 0.546250343
0.629573762 0.667672157 0.691311479 0.699844420 0.700566530
0.699573755 0.695712626 0.688327849 0.679377019 0.670242071
0.662015975 0.652165294 0.644032776 0.635504007 0.626185775
0.615616977 0.608018577 0.601080120 0.590965033 0.583450139
0.573027730 0.565041721 0.557623267 0.550713301 0.544265687
0.535275996 0.528277040 0.523095787 0.516869128 0.512319803
0.505457103 0.501473725 0.498930752 0.492949635 0.488433927
0.485284477 0.478950530 0.474001288 0.469279230 0.464771211 }
```

```
}
NcorrMap= 0.200000003{
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EffMap = { 1.768500805 2.211862803 3.918870687 -5.093584061 -0.365443468
0.177377820 0.447882205 0.567757070 0.636211157 0.690163910
0.719672143 0.736885250 0.745081961 0.745901644 0.745081961
0.742622972 0.739344239 0.732102990 0.725409865 0.719672143
0.711475432 0.700439990 0.695290089 0.683883369 0.673770487
0.666805148 0.660655737 0.654590189 0.649241626 0.642527997
0.635844767 0.629207671 0.622295082 0.616824389 0.609716892
0.603408039 0.597202659 0.591016412 0.585081995 0.579235196
0.574122608 0.568032801 0.562950790 0.557704926 0.553114772
0.548852444 0.545047522 0.540878713 0.536393464 0.533934414 }
}
NcorrMap= 0.300000012{
BetaMap= *;
EffMap = { 1.683364272 2.047658443 3.785941839 -3.086942673 -0.084353037
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0.748032808 0.754672110 0.756885231 0.754672110 0.750245929
0.746557355 0.740655720 0.734016418 0.725163937 0.721475422
0.714054823 0.708219707 0.702717125 0.698011100 0.693490028
0.688025117 0.685327888 0.679913759 0.676891983 0.674065232
0.669836044 0.666147530 0.662459016 0.658770502 0.655819654
0.653606534 0.650655746 0.648442626 0.646229506 0.644016385
0.640327871 0.637377024 0.635163963 0.632950842 0.630737722
0.627786875 0.624098361 0.621885240 0.620409846 0.617458999 }
}
NcorrMap= 0.400000006{
BetaMap= *;
EffMap = { 1.658482432 2.105954409 3.970420837 -2.917367697 -0.093574837
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0.773388803 0.785182774 0.793347597 0.798147678 0.800628006
0.801787734 0.802099586 0.801693618 0.800505400 0.798477829
0.795796514 0.792812049 0.789547503 0.785676539 0.781007648
0.775476038 0.769214511 0.762767971 0.756384492 0.749596834
0.742595315 0.736419857 0.731079638 0.725777805 0.720307171
0.714980304 0.710059047 0.705501914 0.701048851 0.696463764
0.691659689 0.686689496 0.682084203 0.677987993 0.673738599
0.669105172 0.664297640 0.659787357 0.655793548 0.652052462 }
}
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0.531696022 0.667952240 0.725531459 0.755676985 0.775122523
0.789520860 0.800456464 0.808170199 0.813007057 0.815546393
```



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0.816449881 0.816459358 0.816095114 0.815152526 0.812991440
0.809544146 0.805225134 0.800338089 0.795131385 0.789845169
0.784438968 0.778723955 0.772971690 0.767592072 0.762372136
0.756908298 0.751196682 0.745320618 0.739244461 0.733256221
0.727844417 0.723081648 0.718526661 0.713382304 0.707392812
0.701503992 0.696198225 0.690835059 0.685088098 0.679062486
0.673481703 0.669355690 0.665286720 0.660212874 0.655013621 }
}
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BetaMap= *;
EffMap = { 1.514379501 1.850133657 3.188126326 -4.095233440 0.026496042
0.489180684 0.641801715 0.711546540 0.749343336 0.778419495
0.796507537 0.807104528 0.815388799 0.821187854 0.824990273
0.827348590 0.828633487 0.828706205 0.827498972 0.824868917
0.821544111 0.818334699 0.814627767 0.810100377 0.805468440
0.800852239 0.796341240 0.791654110 0.786588609 0.781148970
0.775568604 0.770625055 0.765668392 0.760013103 0.754392922
0.748988271 0.743968189 0.738898695 0.733311534 0.727330565
0.720976591 0.714597285 0.708315134 0.702417910 0.696442723
0.689844072 0.684013247 0.678785920 0.673098624 0.667356968 }
}
NcorrMap= 0.699999988 {
BetaMap= *;
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0.795673251 0.812690616 0.826570928 0.836952686 0.842921555
0.846561491 0.848724246 0.849783838 0.849648595 0.848291099
0.846398234 0.843702972 0.841815293 0.837851465 0.834265888
0.830430984 0.826282501 0.822578967 0.818956614 0.814943254
0.810554445 0.805914342 0.801275969 0.796483457 0.791340172
0.785754740 0.779838860 0.773875773 0.768024921 0.762268662
0.756116211 0.749883175 0.744244754 0.738126218 0.731146753
0.724404633 0.718047559 0.711760402 0.705652833 0.699822664 }
}
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BetaMap= *;
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0.797741115 0.818051994 0.834173679 0.848363400 0.855898917
0.861314893 0.865270436 0.868558228 0.869779408 0.868830919
0.868052363 0.867517650 0.866649806 0.864863932 0.862237632
0.859471023 0.856801748 0.854330361 0.851908803 0.849510908
0.847167075 0.844893575 0.842167735 0.838058114 0.833313048
0.828620911 0.823193371 0.817246377 0.811568201 0.806407154
0.801320016 0.794588566 0.787150502 0.780638993 0.774099767
```

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}
NcorrMap= 0.899999976 {
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EffMap = { 1.574008703 1.847338080 2.438174009 5.484564781 -1.853953958
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0.809826434 0.837849796 0.856066942 0.868292093 0.876323760
0.880978346 0.883513033 0.885194778 0.885980368 0.886332810
0.886992335 0.887101769 0.886477053 0.885834038 0.885120630
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0.875624180 0.872906744 0.869139493 0.864564657 0.859489679
0.854010880 0.848046958 0.841948986 0.835872412 0.829866529
0.823174894 0.815240264 0.806880176 0.798371315 0.789707780
0.781204402 0.772992015 0.765118659 0.757572412 0.750332236 }
}
NcorrMap= 1.000000000 {
BetaMap= *;
EffMap = { 1.585157275 1.806251764 2.188503504 3.715187788 -7.015609264
-0.440697134 0.266943276 0.484106004 0.657558978 0.765483916
0.824356914 0.854507089 0.872547150 0.884016097 0.891142130
0.895727158 0.898820400 0.901241183 0.903333902 0.905249357
0.906992137 0.908134162 0.908826828 0.909382761 0.909433126
0.908911824 0.908023179 0.906656563 0.904908299 0.903257012
0.901323318 0.898697376 0.895522535 0.891623616 0.886651039
0.881439030 0.875938237 0.869199157 0.861583054 0.853458643
0.844831824 0.835838854 0.826583147 0.817467868 0.808651805
0.800217271 0.792156875 0.784444928 0.777059257 0.769978404 }
}
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BetaMap= *;
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0.829234004 0.859314322 0.874726832 0.884232581 0.890589058
0.895226240 0.899057806 0.902527273 0.905568838 0.908129871
0.910254419 0.912010312 0.913367569 0.914289653 0.914784312
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0.853692472 0.845323384 0.836746931 0.828315496 0.820198953
0.812456965 0.805077612 0.798036456 0.791311145 0.784881234 }
}
NcorrMap= 1.100000024 {
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EffMap = { 1.656029701 1.907374620 2.322205305 3.429032803 18.17288208
-1.848441482 -0.244324952 0.306892097 0.590297103 0.736959219
```

0.809560955 0.844412863 0.866041780 0.880884588 0.890488029  
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}

}