## Chapter 1

## Detailed Report For Verification

| Score Report For ADSM on Algorithm Verification  N P Pooled SD Ideal Cilbert Verification Score Norm Diff |     |           |       |         |              |        |           |  |  |  |  |
|---|-----|-----------|-------|---------|--------------|--------|-----------|--|--|--|--|
| N   | P   | Pooled SD | Ideal | Gilbert | Verification | Score  | Norm Diff |  |  |  |  |
|   | 0.1 | 0.0032    | 0.301 | 0.293   | 0.303        | 1.367  | -0.237    |  |  |  |  |
|   | 0.2 | 0.0049    | 0.598 | 0.600   | 0.602        | -0.713 | 1.683     |  |  |  |  |
|   | 0.3 | 0.0055    | 0.905 | 0.901   | 0.899        | -0.424 | 1.413     |  |  |  |  |
|   | 0.4 | 0.0058    | 1.202 | 1.199   | 1.204        | 0.808  | -0.461    |  |  |  |  |
| 4   | 0.5 | 0.0059    | 1.496 | 1.502   | 1.501        | 0.294  | 0.847     |  |  |  |  |
|   | 0.6 | 0.0058    | 1.799 | 1.798   | 1.804        | -1.117 | -3.353    |  |  |  |  |
|   | 0.7 | 0.0063    | 2.104 | 2.101   | 2.099        | -0.490 | 1.685     |  |  |  |  |
|   | 0.8 | 0.0051    | 2.400 | 2.401   | 2.398        | -0.662 | -1.623    |  |  |  |  |
|   | 0.9 | 0.0040    | 2.697 | 2.698   | 2.699        | -0.532 | 1.482     |  |  |  |  |
|   | 0.1 | 0.0039    | 0.400 | 0.395   | 0.400        | 3.520  | 0.033     |  |  |  |  |
|   | 0.2 | 0.0045    | 0.807 | 0.798   | 0.803        | 0.760  | 0.437     |  |  |  |  |
|   | 0.3 | 0.0056    | 1.201 | 1.201   | 1.199        | -1.548 | -5.409    |  |  |  |  |
|   | 0.4 | 0.0057    | 1.594 | 1.594   | 1.600        | -1.878 | -6.450    |  |  |  |  |
| 5   | 0.5 | 0.0046    | 1.994 | 2.004   | 1.999        | 0.767  | 0.513     |  |  |  |  |
|   | 0.6 | 0.0062    | 2.401 | 2.401   | 2.401        | 1.779  | 0.152     |  |  |  |  |
|   | 0.7 | 0.0051    | 2.796 | 2.795   | 2.800        | -0.950 | -2.269    |  |  |  |  |
|   | 0.8 | 0.0055    | 3.203 | 3.200   | 3.199        | -0.442 | 1.294     |  |  |  |  |
|   | 0.9 | 0.0037    | 3.595 | 3.599   | 3.602        | -0.468 | 1.510     |  |  |  |  |
|   | 0.1 | 0.0039    | 0.497 | 0.501   | 0.502        | -0.115 | 1.170     |  |  |  |  |
|   | 0.2 | 0.0053    | 1.008 | 0.998   | 0.999        | 0.260  | 0.852     |  |  |  |  |
|   | 0.3 | 0.0056    | 1.497 | 1.504   | 1.495        | 1.824  | -0.153    |  |  |  |  |
|   | 0.4 | 0.0056    | 2.001 | 2.000   | 2.004        | -1.100 | -3.315    |  |  |  |  |
| 6   | 0.5 | 0.0072    | 2.500 | 2.494   | 2.500        | 2.520  | 0.078     |  |  |  |  |
|   | 0.6 | 0.0048    | 2.996 | 2.996   | 3.000        | -1.297 | -4.213    |  |  |  |  |
|   | 0.7 | 0.0050    | 3.511 | 3.498   | 3.497        | -0.069 | 1.082     |  |  |  |  |
|   | 0.8 | 0.0051    | 4.005 | 4.007   | 3.999        | -1.087 | -2.763    |  |  |  |  |

|    |                 | Score Repo | rt For A | ADSM on | Algorithm Ver | rification |           |
|----|-----------------|------------|----------|---------|---------------|------------|-----------|
| N  | Р               | Pooled SD  | Ideal    | Gilbert | Verification  | Score      | Norm Diff |
|    | 0.9             | 0.0043     | 4.496    | 4.503   | 4.497         | 3.073      | 0.047     |
|    | 0.1             | 0.0037     | 0.605    | 0.598   | 0.601         | 0.309      | 0.660     |
|    | 0.2             | 0.0046     | 1.199    | 1.203   | 1.195         | -0.054     | -1.140    |
|    | 0.3             | 0.0049     | 1.808    | 1.791   | 1.798         | 0.580      | 0.593     |
|    | 0.4             | 0.0062     | 2.397    | 2.397   | 2.394         | -2.397     | -12.560   |
| 7  | 0.5             | 0.0068     | 3.005    | 3.003   | 2.999         | -1.404     | 3.418     |
|    | 0.6             | 0.0071     | 3.590    | 3.605   | 3.602         | 0.224      | 0.813     |
|    | 0.7             | 0.0059     | 4.210    | 4.202   | 4.192         | -1.041     | 2.306     |
|    | 0.8             | 0.0056     | 4.801    | 4.794   | 4.801         | 2.575      | 0.077     |
|    | 0.9             | 0.0035     | 5.400    | 5.403   | 5.399         | 0.764      | -0.430    |
|    | 0.1             | 0.0049     | 0.703    | 0.697   | 0.699         | 0.349      | 0.621     |
|    | 0.2             | 0.0051     | 1.394    | 1.399   | 1.400         | -0.234     | 1.237     |
|    | 0.3             | 0.0051     | 2.096    | 2.091   | 2.096         | 6.453      | 0.002     |
|    | 0.4             | 0.0063     | 2.790    | 2.805   | 2.799         | 0.442      | 0.608     |
| 8  | 0.5             | 0.0064     | 3.503    | 3.499   | 3.503         | 2.399      | 0.087     |
|    | 0.6             | 0.0062     | 4.209    | 4.200   | 4.206         | 1.239      | 0.325     |
|    | 0.7             | 0.0073     | 4.904    | 4.892   | 4.897         | 0.584      | 0.579     |
|    | 0.8             | 0.0045     | 5.603    | 5.606   | 5.598         | -0.664     | -2.516    |
|    | 0.9             | 0.0042     | 6.305    | 6.294   | 6.298         | 0.143      | 0.696     |
|    | 0.1             | 0.0035     | 0.809    | 0.800   | 0.799         | -0.116     | 1.069     |
|    | 0.2             | 0.0045     | 1.600    | 1.594   | 1.598         | 1.259      | 0.341     |
|    | 0.3             | 0.0051     | 2.403    | 2.392   | 2.408         | 0.838      | -0.416    |
|    | 0.4             | 0.0056     | 3.201    | 3.210   | 3.191         | -0.092     | -1.055    |
| 9  | $\mid 0.5 \mid$ | 0.0065     | 4.000    | 3.999   | 3.994         | -1.286     | 3.560     |
|    | 0.6             | 0.0085     | 4.807    | 4.794   | 4.798         | 0.184      | 0.704     |
|    | 0.7             | 0.0061     | 5.599    | 5.606   | 5.598         | 2.325      | -0.096    |
|    | 0.8             | 0.0052     | 6.391    | 6.400   | 6.395         | 0.746      | 0.482     |
|    | 0.9             | 0.0037     | 7.194    | 7.200   | 7.200         | -0.174     | 1.012     |
|    | 0.1             | 0.0035     | 0.900    | 0.898   | 0.899         | 0.925      | 0.445     |
|    | 0.2             | 0.0056     | 1.797    | 1.809   | 1.796         | 1.936      | -0.146    |
|    | 0.3             | 0.0070     | 2.700    | 2.693   | 2.704         | 0.772      | -0.471    |
|    | 0.4             | 0.0049     | 3.596    | 3.597   | 3.601         | -1.437     | 4.942     |
| 10 | 0.5             | 0.0069     | 4.504    | 4.497   | 4.504         | 3.026      | 0.046     |
|    | 0.6             | 0.0061     | 5.396    | 5.403   | 5.398         | 1.585      | 0.203     |
|    | 0.7             | 0.0068     | 6.294    | 6.301   | 6.293         | 2.455      | -0.084    |
|    | 0.8             | 0.0040     | 7.204    | 7.205   | 7.201         | -1.614     | -5.063    |
|    | 0.9             | 0.0050     | 8.103    | 8.094   | 8.096         | 0.418      | 0.681     |

|      | Score Report For ADSM on Algorithm Verification |       |       |       |       |       |       |       |       |        |  |  |
|------|---|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|--|
|      | P   |       |       |       |       |       |       |       |       |        |  |  |
| N    | .1  | .2    | .3    | .4    | .5    | .6    | .7    | .8    | .9    | Mean   |  |  |
| 4    | 1.37  | -0.71 | -0.42 | 0.81  | 0.29  | -1.12 | -0.49 | -0.66 | -0.53 | -0.163 |  |  |
| 5    | 3.52  | 0.76  | -1.55 | -1.88 | 0.77  | 1.78  | -0.95 | -0.44 | -0.47 | 0.171  |  |  |
| 6    | -0.12   | 0.26  | 1.82  | -1.10 | 2.52  | -1.30 | -0.07 | -1.09 | 3.07  | 0.446  |  |  |
| 7    | 0.31  | -0.05 | 0.58  | -2.40 | -1.40 | 0.22  | -1.04 | 2.57  | 0.76  | -0.049 |  |  |
| 8    | 0.35  | -0.23 | 6.45  | 0.44  | 2.40  | 1.24  | 0.58  | -0.66 | 0.14  | 1.190  |  |  |
| 9    | -0.12   | 1.26  | 0.84  | -0.09 | -1.29 | 0.18  | 2.32  | 0.75  | -0.17 | 0.409  |  |  |
| 10   | 0.92  | 1.94  | 0.77  | -1.44 | 3.03  | 1.58  | 2.45  | -1.61 | 0.42  | 0.896  |  |  |
| Mean | 0.89  | 0.46  | 1.21  | -0.81 | 0.90  | 0.37  | 0.40  | -0.16 | 0.46  | 0.41   |  |  |

|   |                 | Score Repo | rt For I | OSMV on | Algorithm Ver | rification |           |
|---|-----------------|------------|----------|---------|---------------|------------|-----------|
| N | P               | Pooled SD  | Ideal    | Gilbert | Verification  | Score      | Norm Diff |
|   | 0.1             | 0.0021     | 0.137    | 0.132   | 0.135         | 1.164      | 0.277     |
|   | 0.2             | 0.0028     | 0.238    | 0.238   | 0.238         | -1.168     | 3.287     |
|   | 0.3             | 0.0041     | 0.317    | 0.313   | 0.314         | 0.251      | 0.804     |
|   | 0.4             | 0.0047     | 0.362    | 0.362   | 0.364         | -4.003     | -47.203   |
| 4 | 0.5             | 0.0040     | 0.375    | 0.378   | 0.370         | -0.068     | -1.199    |
|   | 0.6             | 0.0046     | 0.368    | 0.361   | 0.358         | -0.411     | 1.330     |
|   | $\mid 0.7 \mid$ | 0.0043     | 0.308    | 0.315   | 0.317         | -0.152     | 1.226     |
|   | 0.8             | 0.0037     | 0.238    | 0.239   | 0.241         | -1.204     | 3.363     |
|   | 0.9             | 0.0022     | 0.135    | 0.133   | 0.136         | 0.869      | -0.376    |
|   | 0.1             | 0.0023     | 0.144    | 0.141   | 0.144         | 2.554      | -0.086    |
|   | 0.2             | 0.0038     | 0.259    | 0.264   | 0.256         | 0.520      | -0.659    |
|   | 0.3             | 0.0043     | 0.336    | 0.339   | 0.343         | -0.773     | 2.242     |
|   | 0.4             | 0.0046     | 0.377    | 0.372   | 0.377         | 2.163      | 0.096     |
| 5 | $\mid 0.5 \mid$ | 0.0061     | 0.406    | 0.404   | 0.399         | -1.126     | 2.758     |
|   | 0.6             | 0.0055     | 0.383    | 0.391   | 0.386         | 0.914      | 0.390     |
|   | 0.7             | 0.0053     | 0.331    | 0.331   | 0.335         | -2.192     | -8.009    |
|   | 0.8             | 0.0033     | 0.257    | 0.252   | 0.257         | 3.338      | -0.036    |
|   | 0.9             | 0.0020     | 0.146    | 0.144   | 0.141         | -0.859     | 2.441     |
|   | 0.1             | 0.0024     | 0.151    | 0.153   | 0.149         | 0.162      | -0.687    |
|   | 0.2             | 0.0031     | 0.265    | 0.271   | 0.264         | 1.663      | -0.203    |
|   | 0.3             | 0.0046     | 0.349    | 0.346   | 0.350         | 1.982      | -0.136    |
|   | 0.4             | 0.0052     | 0.396    | 0.405   | 0.397         | 1.634      | 0.167     |
| 6 | $\mid 0.5 \mid$ | 0.0049     | 0.420    | 0.420   | 0.417         | -1.511     | -5.025    |
|   | 0.6             | 0.0055     | 0.396    | 0.400   | 0.402         | -0.290     | 1.465     |
|   | 0.7             | 0.0047     | 0.350    | 0.346   | 0.347         | 0.388      | 0.678     |
|   | 0.8             | 0.0033     | 0.267    | 0.266   | 0.265         | -0.456     | 1.716     |
|   | 0.9             | 0.0023     | 0.151    | 0.151   | 0.152         | 1.389      | -0.285    |
|   | 0.1             | 0.0021     | 0.156    | 0.153   | 0.152         | -0.380     | 1.613     |
|   | 0.2             | 0.0040     | 0.275    | 0.281   | 0.273         | 0.974      | -0.382    |

|    |                 | Score Repo | rt For I | OSMV on | Algorithm Ver | rification |           |
|----|-----------------|------------|----------|---------|---------------|------------|-----------|
| N  | Р               | Pooled SD  | Ideal    | Gilbert | Verification  | Score      | Norm Diff |
|    | 0.3             | 0.0048     | 0.355    | 0.369   | 0.362         | 0.595      | 0.558     |
|    | 0.4             | 0.0067     | 0.415    | 0.406   | 0.411         | 0.844      | 0.425     |
|    | 0.5             | 0.0053     | 0.433    | 0.424   | 0.426         | 0.256      | 0.758     |
|    | 0.6             | 0.0052     | 0.414    | 0.412   | 0.411         | -0.361     | 1.735     |
|    | 0.7             | 0.0048     | 0.355    | 0.361   | 0.357         | 0.931      | 0.399     |
|    | 0.8             | 0.0037     | 0.276    | 0.277   | 0.271         | -0.915     | -2.559    |
|    | 0.9             | 0.0021     | 0.151    | 0.152   | 0.154         | -0.782     | 2.298     |
|    | 0.1             | 0.0022     | 0.157    | 0.158   | 0.158         | 0.221      | 0.793     |
|    | 0.2             | 0.0038     | 0.278    | 0.282   | 0.284         | -0.866     | 1.847     |
|    | 0.3             | 0.0053     | 0.361    | 0.371   | 0.369         | 0.316      | 0.779     |
|    | 0.4             | 0.0066     | 0.420    | 0.420   | 0.414         | -2.739     | 13.663    |
| 8  | $\mid 0.5 \mid$ | 0.0058     | 0.435    | 0.445   | 0.432         | 0.906      | -0.402    |
|    | 0.6             | 0.0058     | 0.416    | 0.417   | 0.418         | -0.679     | 1.716     |
|    | 0.7             | 0.0058     | 0.370    | 0.372   | 0.367         | -0.213     | -1.140    |
|    | 0.8             | 0.0043     | 0.278    | 0.280   | 0.283         | -1.364     | 4.094     |
|    | 0.9             | 0.0019     | 0.155    | 0.157   | 0.157         | -0.415     | 1.381     |
|    | 0.1             | 0.0023     | 0.165    | 0.157   | 0.160         | 0.515      | 0.608     |
|    | 0.2             | 0.0039     | 0.286    | 0.286   | 0.281         | -3.787     | -49.957   |
|    | 0.3             | 0.0054     | 0.370    | 0.383   | 0.374         | 1.244      | 0.296     |
|    | 0.4             | 0.0055     | 0.419    | 0.429   | 0.419         | 4.258      | -0.014    |
| 9  | 0.5             | 0.0055     | 0.441    | 0.450   | 0.447         | 0.406      | 0.620     |
|    | 0.6             | 0.0051     | 0.425    | 0.426   | 0.431         | -1.183     | 4.008     |
|    | 0.7             | 0.0050     | 0.373    | 0.382   | 0.372         | 1.714      | -0.163    |
|    | 0.8             | 0.0041     | 0.283    | 0.285   | 0.278         | -1.422     | -3.449    |
|    | 0.9             | 0.0025     | 0.160    | 0.161   | 0.161         | 0.270      | 0.656     |
|    | 0.1             | 0.0024     | 0.163    | 0.162   | 0.163         | 1.777      | 0.189     |
|    | 0.2             | 0.0038     | 0.288    | 0.290   | 0.284         | -0.255     | -1.398    |
|    | 0.3             | 0.0049     | 0.384    | 0.376   | 0.380         | 0.836      | 0.472     |
|    | 0.4             | 0.0058     | 0.429    | 0.434   | 0.432         | 0.691      | 0.507     |
| 10 | 0.5             | 0.0059     | 0.450    | 0.444   | 0.454         | 0.273      | -0.676    |
|    | 0.6             | 0.0051     | 0.438    | 0.432   | 0.435         | 0.840      | 0.540     |
|    | 0.7             | 0.0054     | 0.374    | 0.385   | 0.386         | -0.167     | 1.039     |
|    | 0.8             | 0.0039     | 0.285    | 0.285   | 0.289         | -5.351     | 226.057   |
|    | 0.9             | 0.0025     | 0.165    | 0.167   | 0.162         | -0.948     | -2.568    |

|   | Score Report For DSMV on Algorithm Verification |       |       |       |       |       |       |       |       |        |  |  |
|---|---|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|--|
|   | Р   |       |       |       |       |       |       |       |       |        |  |  |
| N | .1  | .2    | .3    | .4    | .5    | .6    | .7    | .8    | .9    | Mean   |  |  |
| 4 | 1.16  | -1.17 | 0.25  | -4.00 | -0.07 | -0.41 | -0.15 | -1.20 | 0.87  | -0.525 |  |  |
| 5 | 2.55  | 0.52  | -0.77 | 2.16  | -1.13 | 0.91  | -2.19 | 3.34  | -0.86 | 0.505  |  |  |
| 6 | 0.16  | 1.66  | 1.98  | 1.63  | -1.51 | -0.29 | 0.39  | -0.46 | 1.39  | 0.551  |  |  |

|      | Score Report For DSMV on Algorithm Verification |       |      |       |       |       |       |       |       |        |  |  |
|------|---|-------|------|-------|-------|-------|-------|-------|-------|--------|--|--|
| P    |   |       |      |       |       |       |       |       |       |        |  |  |
| N    | .1  | .2    | .3   | .4    | .5    | .6    | .7    | .8    | .9    | Mean   |  |  |
| 7    | -0.38   | 0.97  | 0.60 | 0.84  | 0.26  | -0.36 | 0.93  | -0.92 | -0.78 | 0.129  |  |  |
| 8    | 0.22  | -0.87 | 0.32 | -2.74 | 0.91  | -0.68 | -0.21 | -1.36 | -0.41 | -0.537 |  |  |
| 9    | 0.52  | -3.79 | 1.24 | 4.26  | 0.41  | -1.18 | 1.71  | -1.42 | 0.27  | 0.224  |  |  |
| 10   | 1.78  | -0.25 | 0.84 | 0.69  | 0.27  | 0.84  | -0.17 | -5.35 | -0.95 | -0.256 |  |  |
| Mean | 0.86  | -0.42 | 0.64 | 0.41  | -0.12 | -0.17 | 0.04  | -1.05 | -0.07 | 0.01   |  |  |

|   |                 | Score Repor | t For A | DSMD on | Algorithm Ve | erification | n         |
|---|-----------------|-------------|---------|---------|--------------|-------------|-----------|
| N | P               | Pooled SD   | Ideal   | Gilbert | Verification | Score       | Norm Diff |
|   | 0.1             | 0.0033      | 0.301   | 0.293   | 0.303        | 0.982       | -0.354    |
|   | 0.2             | 0.0048      | 0.598   | 0.601   | 0.602        | -0.477      | 1.373     |
|   | 0.3             | 0.0057      | 0.906   | 0.900   | 0.898        | -0.373      | 1.385     |
|   | 0.4             | 0.0063      | 1.204   | 1.196   | 1.206        | 1.616       | -0.200    |
| 4 | 0.5             | 0.0062      | 1.497   | 1.502   | 1.502        | 0.121       | 0.941     |
|   | 0.6             | 0.0059      | 1.803   | 1.798   | 1.804        | 1.490       | -0.243    |
|   | 0.7             | 0.0062      | 2.103   | 2.099   | 2.099        | 0.069       | 0.971     |
|   | 0.8             | 0.0051      | 2.399   | 2.401   | 2.398        | 0.326       | -0.614    |
|   | 0.9             | 0.0040      | 2.697   | 2.698   | 2.699        | -0.827      | 2.036     |
|   | 0.1             | 0.0045      | 0.285   | 0.272   | 0.276        | 0.401       | 0.709     |
|   | 0.2             | 0.0065      | 0.778   | 0.734   | 0.743        | 0.132       | 0.788     |
|   | 0.3             | 0.0062      | 1.223   | 1.184   | 1.179        | 0.133       | 1.106     |
|   | 0.4             | 0.0069      | 1.617   | 1.593   | 1.601        | 0.525       | 0.655     |
| 5 | $\mid 0.5 \mid$ | 0.0059      | 1.996   | 2.001   | 2.001        | 0.014       | 1.008     |
|   | 0.6             | 0.0069      | 2.368   | 2.402   | 2.403        | -0.078      | 1.015     |
|   | 0.7             | 0.0065      | 2.773   | 2.811   | 2.818        | -0.199      | 1.164     |
|   | 0.8             | 0.0075      | 3.237   | 3.257   | 3.260        | -0.263      | 1.163     |
|   | 0.9             | 0.0048      | 3.703   | 3.722   | 3.725        | -0.154      | 1.168     |
|   | 0.1             | 0.0046      | 0.403   | 0.396   | 0.396        | 0.056       | 0.950     |
|   | 0.2             | 0.0060      | 0.966   | 0.948   | 0.954        | 0.470       | 0.669     |
|   | 0.3             | 0.0062      | 1.474   | 1.483   | 1.472        | 1.026       | -0.297    |
|   | 0.4             | 0.0061      | 1.989   | 1.993   | 1.994        | -0.083      | 1.157     |
| 6 | $\mid 0.5 \mid$ | 0.0078      | 2.502   | 2.494   | 2.500        | 1.616       | 0.192     |
|   | 0.6             | 0.0055      | 3.005   | 3.003   | 3.008        | -0.529      | -1.675    |
|   | 0.7             | 0.0055      | 3.530   | 3.516   | 3.518        | 0.242       | 0.851     |
|   | 0.8             | 0.0059      | 4.044   | 4.054   | 4.047        | 0.975       | 0.350     |
|   | 0.9             | 0.0051      | 4.590   | 4.609   | 4.601        | 0.520       | 0.609     |
|   | 0.1             | 0.0057      | 0.491   | 0.514   | 0.520        | -0.236      | 1.280     |
|   | 0.2             | 0.0065      | 1.143   | 1.165   | 1.148        | 1.477       | 0.227     |
|   | 0.3             | 0.0064      | 1.781   | 1.764   | 1.766        | -0.022      | 0.874     |
|   | 0.4             | 0.0075      | 2.382   | 2.384   | 2.381        | 1.078       | -0.382    |
| 7 | 0.5             | 0.0073      | 3.005   | 3.007   | 2.997        | -1.460      | -3.468    |

|    |     | Score Repor | t For A | DSMD on | Algorithm Ve | erification | ı         |
|----|-----|-------------|---------|---------|--------------|-------------|-----------|
| N  | P   | Pooled SD   | Ideal   | Gilbert | Verification | Score       | Norm Diff |
|    | 0.6 | 0.0091      | 3.603   | 3.615   | 3.612        | 0.320       | 0.714     |
|    | 0.7 | 0.0068      | 4.240   | 4.225   | 4.221        | -0.409      | 1.244     |
|    | 0.8 | 0.0071      | 4.862   | 4.832   | 4.844        | 0.494       | 0.600     |
|    | 0.9 | 0.0051      | 5.515   | 5.492   | 5.484        | -0.330      | 1.353     |
|    | 0.1 | 0.0052      | 0.543   | 0.595   | 0.600        | -0.080      | 1.112     |
|    | 0.2 | 0.0060      | 1.313   | 1.346   | 1.343        | 0.034       | 0.921     |
|    | 0.3 | 0.0059      | 2.041   | 2.059   | 2.061        | -0.151      | 1.117     |
|    | 0.4 | 0.0072      | 2.758   | 2.788   | 2.783        | 0.109       | 0.821     |
| 8  | 0.5 | 0.0075      | 3.503   | 3.502   | 3.504        | -0.051      | -1.058    |
|    | 0.6 | 0.0078      | 4.231   | 4.216   | 4.220        | 0.259       | 0.726     |
|    | 0.7 | 0.0082      | 4.966   | 4.920   | 4.930        | 0.172       | 0.782     |
|    | 0.8 | 0.0056      | 5.692   | 5.661   | 5.651        | -0.198      | 1.311     |
|    | 0.9 | 0.0052      | 6.466   | 6.389   | 6.396        | -0.039      | 0.913     |
|    | 0.1 | 0.0047      | 0.609   | 0.693   | 0.692        | -0.120      | 0.984     |
|    | 0.2 | 0.0061      | 1.494   | 1.535   | 1.540        | -0.005      | 1.122     |
|    | 0.3 | 0.0070      | 2.342   | 2.353   | 2.365        | -0.997      | 2.240     |
|    | 0.4 | 0.0065      | 3.168   | 3.196   | 3.170        | 2.365       | 0.086     |
| 9  | 0.5 | 0.0075      | 4.006   | 3.995   | 3.993        | -0.202      | 1.171     |
|    | 0.6 | 0.0102      | 4.836   | 4.818   | 4.818        | -0.296      | 1.023     |
|    | 0.7 | 0.0070      | 5.660   | 5.643   | 5.639        | -0.177      | 1.251     |
|    | 0.8 | 0.0062      | 6.489   | 6.468   | 6.459        | -0.382      | 1.433     |
|    | 0.9 | 0.0054      | 7.400   | 7.309   | 7.312        | -0.134      | 0.970     |
|    | 0.1 | 0.0048      | 0.701   | 0.797   | 0.801        | -0.089      | 1.041     |
|    | 0.2 | 0.0069      | 1.691   | 1.740   | 1.729        | 0.312       | 0.766     |
|    | 0.3 | 0.0080      | 2.636   | 2.651   | 2.659        | -0.330      | 1.529     |
|    | 0.4 | 0.0061      | 3.566   | 3.574   | 3.581        | -0.462      | 1.842     |
| 10 | 0.5 | 0.0075      | 4.503   | 4.492   | 4.506        | 1.391       | -0.245    |
|    | 0.6 | 0.0066      | 5.424   | 5.423   | 5.417        | -2.018      | 8.039     |
|    | 0.7 | 0.0078      | 6.358   | 6.341   | 6.337        | -0.296      | 1.253     |
|    | 0.8 | 0.0048      | 7.312   | 7.270   | 7.264        | -0.127      | 1.130     |
|    | 0.9 | 0.0053      | 8.302   | 8.191   | 8.196        | 0.121       | 0.954     |

|   | Score Report For ADSMD on Algorithm Verification |       |       |       |       |       |       |       |       |       |  |  |
|---|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
| P |  |       |       |       |       |       |       |       |       |       |  |  |
| N | .1   | .2    | .3    | .4    | .5    | .6    | .7    | .8    | .9    | Mean  |  |  |
| 4 | 0.98   | -0.48 | -0.37 | 1.62  | 0.12  | 1.49  | 0.07  | 0.33  | -0.83 | 0.325 |  |  |
| 5 | 0.40   | 0.13  | 0.13  | 0.52  | 0.01  | -0.08 | -0.20 | -0.26 | -0.15 | 0.057 |  |  |
| 6 | 0.06   | 0.47  | 1.03  | -0.08 | 1.62  | -0.53 | 0.24  | 0.97  | 0.52  | 0.477 |  |  |
| 7 | -0.24  | 1.48  | -0.02 | 1.08  | -1.46 | 0.32  | -0.41 | 0.49  | -0.33 | 0.101 |  |  |
| 8 | -0.08  | 0.03  | -0.15 | 0.11  | -0.05 | 0.26  | 0.17  | -0.20 | -0.04 | 0.006 |  |  |
| 9 | -0.12  | -0.00 | -1.00 | 2.36  | -0.20 | -0.30 | -0.18 | -0.38 | -0.13 | 0.006 |  |  |

|      | Score Report For ADSMD on Algorithm Verification           |      |       |       |      |       |       |       |      |        |  |  |
|------|--|------|-------|-------|------|-------|-------|-------|------|--------|--|--|
|      | P  |      |       |       |      |       |       |       |      |        |  |  |
| N    | N   .1   .2   .3   .4   .5   .6   .7   .8   .9   Mean      |      |       |       |      |       |       |       |      |        |  |  |
| 10   | -0.09  | 0.31 | -0.33 | -0.46 | 1.39 | -2.02 | -0.30 | -0.13 | 0.12 | -0.166 |  |  |
| Mean | Mean 0.13 0.28 -0.10 0.74 0.20 -0.12 -0.09 0.12 -0.12 0.12 |      |       |       |      |       |       |       |      |        |  |  |

|   |                 | Score Repor | t For D | SMDV on | Algorithm Ve | erification | 1         |
|---|-----------------|-------------|---------|---------|--------------|-------------|-----------|
| N | P               | Pooled SD   | Ideal   | Gilbert | Verification | Score       | Norm Diff |
|   | 0.1             | 0.0025      | 0.138   | 0.134   | 0.137        | 1.875       | 0.155     |
|   | 0.2             | 0.0033      | 0.253   | 0.248   | 0.246        | -0.207      | 1.360     |
|   | 0.3             | 0.0049      | 0.347   | 0.330   | 0.331        | 0.132       | 0.928     |
|   | 0.4             | 0.0045      | 0.409   | 0.388   | 0.393        | 0.194       | 0.754     |
| 4 | 0.5             | 0.0039      | 0.426   | 0.409   | 0.401        | -0.224      | 1.410     |
|   | $\mid 0.6 \mid$ | 0.0047      | 0.412   | 0.387   | 0.386        | -0.156      | 1.071     |
|   | 0.7             | 0.0045      | 0.340   | 0.337   | 0.336        | -0.298      | 1.411     |
|   | 0.8             | 0.0039      | 0.254   | 0.248   | 0.249        | 0.387       | 0.701     |
|   | 0.9             | 0.0025      | 0.137   | 0.135   | 0.138        | 1.739       | -0.169    |
|   | 0.1             | 0.0040      | 0.252   | 0.223   | 0.228        | 0.264       | 0.848     |
|   | 0.2             | 0.0049      | 0.479   | 0.435   | 0.427        | -0.213      | 1.195     |
|   | 0.3             | 0.0058      | 0.516   | 0.496   | 0.500        | 0.286       | 0.787     |
|   | 0.4             | 0.0060      | 0.490   | 0.501   | 0.506        | -0.460      | 1.473     |
| 5 | $\mid 0.5 \mid$ | 0.0076      | 0.486   | 0.518   | 0.513        | -0.026      | 0.848     |
|   | 0.6             | 0.0074      | 0.495   | 0.514   | 0.516        | -0.213      | 1.124     |
|   | 0.7             | 0.0066      | 0.504   | 0.483   | 0.492        | 0.527       | 0.596     |
|   | 0.8             | 0.0053      | 0.474   | 0.424   | 0.430        | -0.016      | 0.882     |
|   | 0.9             | 0.0039      | 0.260   | 0.230   | 0.225        | -0.138      | 1.165     |
|   | 0.1             | 0.0034      | 0.245   | 0.239   | 0.237        | -0.419      | 1.466     |
|   | 0.2             | 0.0051      | 0.370   | 0.367   | 0.366        | -0.360      | 1.558     |
|   | 0.3             | 0.0068      | 0.461   | 0.434   | 0.435        | 0.092       | 0.962     |
|   | 0.4             | 0.0071      | 0.527   | 0.501   | 0.486        | -0.631      | 1.539     |
| 6 | 0.5             | 0.0072      | 0.557   | 0.513   | 0.507        | -0.099      | 1.140     |
|   | 0.6             | 0.0065      | 0.529   | 0.488   | 0.494        | 0.299       | 0.865     |
|   | 0.7             | 0.0060      | 0.466   | 0.433   | 0.437        | 0.102       | 0.872     |
|   | 0.8             | 0.0051      | 0.377   | 0.364   | 0.365        | 0.051       | 0.942     |
|   | 0.9             | 0.0031      | 0.248   | 0.236   | 0.237        | 0.263       | 0.888     |
|   | 0.1             | 0.0030      | 0.322   | 0.299   | 0.303        | 0.300       | 0.832     |
|   | 0.2             | 0.0064      | 0.479   | 0.424   | 0.410        | -0.186      | 1.247     |
|   | 0.3             | 0.0067      | 0.564   | 0.528   | 0.519        | -0.039      | 1.269     |
|   | 0.4             | 0.0084      | 0.619   | 0.565   | 0.574        | 0.189       | 0.831     |
| 7 | $\mid 0.5 \mid$ | 0.0075      | 0.629   | 0.588   | 0.595        | 0.250       | 0.828     |
|   | 0.6             | 0.0075      | 0.618   | 0.580   | 0.571        | -0.232      | 1.245     |
|   | 0.7             | 0.0078      | 0.567   | 0.512   | 0.514        | -0.041      | 0.971     |
|   | 0.8             | 0.0065      | 0.482   | 0.414   | 0.410        | -0.027      | 1.070     |

|    |     | Score Repor | t For D | SMDV on | Algorithm Ve | erification | 1         |
|----|-----|-------------|---------|---------|--------------|-------------|-----------|
| N  | P   | Pooled SD   | Ideal   | Gilbert | Verification | Score       | Norm Diff |
|    | 0.9 | 0.0030      | 0.315   | 0.298   | 0.300        | 0.295       | 0.879     |
|    | 0.1 | 0.0031      | 0.266   | 0.253   | 0.256        | 0.351       | 0.753     |
|    | 0.2 | 0.0055      | 0.419   | 0.371   | 0.374        | -0.065      | 0.925     |
|    | 0.3 | 0.0069      | 0.505   | 0.477   | 0.473        | 0.000       | 1.134     |
|    | 0.4 | 0.0084      | 0.570   | 0.535   | 0.530        | -0.286      | 1.149     |
| 8  | 0.5 | 0.0077      | 0.590   | 0.562   | 0.551        | -0.250      | 1.411     |
|    | 0.6 | 0.0075      | 0.570   | 0.529   | 0.534        | 0.057       | 0.867     |
|    | 0.7 | 0.0069      | 0.512   | 0.476   | 0.475        | -0.015      | 1.022     |
|    | 0.8 | 0.0057      | 0.414   | 0.363   | 0.371        | 0.107       | 0.836     |
|    | 0.9 | 0.0032      | 0.262   | 0.253   | 0.254        | 0.034       | 0.945     |
|    | 0.1 | 0.0048      | 0.366   | 0.309   | 0.316        | -0.046      | 0.870     |
|    | 0.2 | 0.0069      | 0.504   | 0.437   | 0.434        | -0.225      | 1.039     |
|    | 0.3 | 0.0076      | 0.580   | 0.557   | 0.545        | -0.614      | 1.509     |
|    | 0.4 | 0.0085      | 0.645   | 0.611   | 0.602        | -0.405      | 1.274     |
| 9  | 0.5 | 0.0088      | 0.662   | 0.640   | 0.634        | -0.276      | 1.311     |
|    | 0.6 | 0.0073      | 0.644   | 0.620   | 0.616        | -0.053      | 1.187     |
|    | 0.7 | 0.0078      | 0.591   | 0.554   | 0.543        | -0.363      | 1.312     |
|    | 0.8 | 0.0059      | 0.502   | 0.429   | 0.425        | -0.073      | 1.057     |
|    | 0.9 | 0.0037      | 0.355   | 0.317   | 0.316        | 0.053       | 1.014     |
|    | 0.1 | 0.0039      | 0.322   | 0.263   | 0.266        | 0.107       | 0.951     |
|    | 0.2 | 0.0055      | 0.444   | 0.393   | 0.386        | -0.112      | 1.145     |
|    | 0.3 | 0.0065      | 0.539   | 0.490   | 0.499        | 0.298       | 0.801     |
|    | 0.4 | 0.0086      | 0.581   | 0.562   | 0.558        | -0.228      | 1.208     |
| 10 | 0.5 | 0.0077      | 0.601   | 0.579   | 0.590        | 0.701       | 0.515     |
|    | 0.6 | 0.0066      | 0.589   | 0.558   | 0.563        | 0.480       | 0.837     |
|    | 0.7 | 0.0080      | 0.524   | 0.499   | 0.507        | 0.297       | 0.678     |
|    | 0.8 | 0.0058      | 0.430   | 0.380   | 0.393        | 0.333       | 0.731     |
|    | 0.9 | 0.0040      | 0.323   | 0.268   | 0.264        | -0.093      | 1.073     |

|      |       | Score | Report | For DSN | IDV on | Algorith | m Verifi | cation |       |        |  |  |
|------|-------|-------|--------|---------|--------|----------|----------|--------|-------|--------|--|--|
|      | P     |       |        |         |        |          |          |        |       |        |  |  |
| N    | .1    | .2    | .3     | .4      | .5     | .6       | .7       | .8     | .9    | Mean   |  |  |
| 4    | 1.88  | -0.21 | 0.13   | 0.19    | -0.22  | -0.16    | -0.30    | 0.39   | 1.74  | 0.383  |  |  |
| 5    | 0.26  | -0.21 | 0.29   | -0.46   | -0.03  | -0.21    | 0.53     | -0.02  | -0.14 | 0.001  |  |  |
| 6    | -0.42 | -0.36 | 0.09   | -0.63   | -0.10  | 0.30     | 0.10     | 0.05   | 0.26  | -0.078 |  |  |
| 7    | 0.30  | -0.19 | -0.04  | 0.19    | 0.25   | -0.23    | -0.04    | -0.03  | 0.29  | 0.056  |  |  |
| 8    | 0.35  | -0.07 | 0.00   | -0.29   | -0.25  | 0.06     | -0.01    | 0.11   | 0.03  | -0.008 |  |  |
| 9    | -0.05 | -0.22 | -0.61  | -0.40   | -0.28  | -0.05    | -0.36    | -0.07  | 0.05  | -0.222 |  |  |
| 10   | 0.11  | -0.11 | 0.30   | -0.23   | 0.70   | 0.48     | 0.30     | 0.33   | -0.09 | 0.198  |  |  |
| Mean | 0.35  | -0.20 | 0.02   | -0.23   | 0.01   | 0.03     | 0.03     | 0.11   | 0.31  | 0.05   |  |  |

| Score Report For ADSMN on Algorithm Verification  N P Pooled SD Ideal Gilbert Verification Score Norm Div |                 |           |       |         |              |        |           |  |  |  |
|---|-----------------|-----------|-------|---------|--------------|--------|-----------|--|--|--|
| N   | P               | Pooled SD | Ideal | Gilbert | Verification | Score  | Norm Diff |  |  |  |
|   | 0.1             | 0.0019    | 0.061 | 0.030   | 0.033        | 0.102  | 0.900     |  |  |  |
|   | 0.2             | 0.0040    | 0.202 | 0.134   | 0.136        | -0.095 | 0.967     |  |  |  |
|   | 0.3             | 0.0055    | 0.405 | 0.308   | 0.305        | -0.088 | 1.028     |  |  |  |
|   | 0.4             | 0.0058    | 0.633 | 0.539   | 0.538        | 0.042  | 1.011     |  |  |  |
| 4   | 0.5             | 0.0070    | 0.907 | 0.810   | 0.810        | 0.186  | 0.993     |  |  |  |
|   | 0.6             | 0.0085    | 1.234 | 1.130   | 1.139        | 0.166  | 0.915     |  |  |  |
|   | 0.7             | 0.0092    | 1.603 | 1.510   | 1.509        | 0.082  | 1.008     |  |  |  |
|   | 0.8             | 0.0084    | 2.002 | 1.937   | 1.936        | -0.200 | 1.011     |  |  |  |
|   | 0.9             | 0.0073    | 2.455 | 2.432   | 2.433        | -0.126 | 0.958     |  |  |  |
|   | 0.1             | 0.0016    | 0.022 | 0.023   | 0.023        | 0.518  | 0.641     |  |  |  |
|   | 0.2             | 0.0038    | 0.146 | 0.143   | 0.142        | -0.312 | 1.320     |  |  |  |
|   | 0.3             | 0.0051    | 0.373 | 0.363   | 0.364        | 0.226  | 0.907     |  |  |  |
|   | 0.4             | 0.0061    | 0.673 | 0.655   | 0.662        | 0.499  | 0.613     |  |  |  |
| 5   | 0.5             | 0.0058    | 1.027 | 1.033   | 1.023        | 0.291  | -0.725    |  |  |  |
|   | 0.6             | 0.0083    | 1.454 | 1.436   | 1.441        | 0.338  | 0.734     |  |  |  |
|   | 0.7             | 0.0081    | 1.922 | 1.902   | 1.910        | 0.541  | 0.574     |  |  |  |
|   | 0.8             | 0.0097    | 2.499 | 2.459   | 2.454        | -0.358 | 1.124     |  |  |  |
|   | 0.9             | 0.0076    | 3.150 | 3.131   | 3.134        | 0.076  | 0.866     |  |  |  |
|   | 0.1             | 0.0019    | 0.049 | 0.022   | 0.022        | -0.033 | 1.025     |  |  |  |
|   | 0.2             | 0.0037    | 0.232 | 0.162   | 0.161        | 0.008  | 1.015     |  |  |  |
|   | 0.3             | 0.0058    | 0.508 | 0.446   | 0.439        | 0.102  | 1.126     |  |  |  |
|   | 0.4             | 0.0067    | 0.859 | 0.816   | 0.822        | 0.368  | 0.856     |  |  |  |
| 6   | 0.5             | 0.0078    | 1.281 | 1.255   | 1.263        | 0.308  | 0.681     |  |  |  |
|   | 0.6             | 0.0083    | 1.764 | 1.769   | 1.775        | -0.639 | 2.265     |  |  |  |
|   | 0.7             | 0.0084    | 2.363 | 2.347   | 2.346        | -0.097 | 1.066     |  |  |  |
|   | 0.8             | 0.0087    | 3.037 | 3.015   | 3.001        | -0.581 | 1.659     |  |  |  |
|   | 0.9             | 0.0088    | 3.847 | 3.829   | 3.816        | -0.582 | 1.770     |  |  |  |
|   | 0.1             | 0.0012    | 0.030 | 0.020   | 0.021        | 0.004  | 0.961     |  |  |  |
|   | 0.2             | 0.0040    | 0.215 | 0.189   | 0.186        | 0.028  | 1.122     |  |  |  |
|   | 0.3             | 0.0059    | 0.565 | 0.524   | 0.528        | 0.210  | 0.897     |  |  |  |
|   | 0.4             | 0.0076    | 0.988 | 0.991   | 0.983        | -0.462 | -1.906    |  |  |  |
| 7   | 0.5             | 0.0103    | 1.491 | 1.525   | 1.519        | 0.247  | 0.813     |  |  |  |
|   | 0.6             | 0.0103    | 2.050 | 2.136   | 2.136        | -0.044 | 1.000     |  |  |  |
|   | 0.7             | 0.0098    | 2.733 | 2.809   | 2.790        | 0.182  | 0.754     |  |  |  |
|   | 0.8             | 0.0087    | 3.518 | 3.572   | 3.581        | -0.124 | 1.159     |  |  |  |
|   | 0.9             | 0.0078    | 4.507 | 4.526   | 4.523        | 0.188  | 0.837     |  |  |  |
|   | 0.1             | 0.0016    | 0.047 | 0.021   | 0.020        | -0.093 | 1.008     |  |  |  |
|   | 0.2             | 0.0039    | 0.271 | 0.215   | 0.219        | 0.194  | 0.932     |  |  |  |
|   | 0.3             | 0.0057    | 0.666 | 0.627   | 0.627        | -0.096 | 1.001     |  |  |  |
|   | 0.4             | 0.0089    | 1.162 | 1.172   | 1.174        | -0.017 | 1.139     |  |  |  |
| 8   | $\mid 0.5 \mid$ | 0.0092    | 1.757 | 1.791   | 1.793        | 0.093  | 1.046     |  |  |  |

|    |     | Score Repor | t For A | DSMN on | Algorithm Ve | rification | 1         |
|----|-----|-------------|---------|---------|--------------|------------|-----------|
| N  | Р   | Pooled SD   | Ideal   | Gilbert | Verification | Score      | Norm Diff |
|    | 0.6 | 0.0092      | 2.440   | 2.498   | 2.506        | -0.154     | 1.128     |
|    | 0.7 | 0.0119      | 3.166   | 3.273   | 3.278        | -0.093     | 1.047     |
|    | 0.8 | 0.0098      | 4.060   | 4.172   | 4.163        | 0.265      | 0.918     |
|    | 0.9 | 0.0101      | 5.193   | 5.234   | 5.236        | -0.249     | 1.045     |
|    | 0.1 | 0.0016      | 0.034   | 0.022   | 0.021        | -0.178     | 1.113     |
|    | 0.2 | 0.0050      | 0.303   | 0.253   | 0.257        | 0.154      | 0.922     |
|    | 0.3 | 0.0058      | 0.764   | 0.742   | 0.750        | 0.483      | 0.626     |
|    | 0.4 | 0.0083      | 1.346   | 1.365   | 1.356        | 0.764      | 0.522     |
| 9  | 0.5 | 0.0087      | 2.045   | 2.067   | 2.064        | 0.189      | 0.892     |
|    | 0.6 | 0.0111      | 2.810   | 2.862   | 2.876        | -0.424     | 1.271     |
|    | 0.7 | 0.0104      | 3.626   | 3.772   | 3.756        | 0.055      | 0.889     |
|    | 0.8 | 0.0104      | 4.596   | 4.775   | 4.766        | 0.045      | 0.952     |
|    | 0.9 | 0.0094      | 5.830   | 5.977   | 5.973        | -0.125     | 0.972     |
|    | 0.1 | 0.0018      | 0.037   | 0.024   | 0.023        | -0.144     | 1.102     |
|    | 0.2 | 0.0053      | 0.335   | 0.310   | 0.298        | -0.369     | 1.513     |
|    | 0.3 | 0.0066      | 0.875   | 0.852   | 0.864        | 0.893      | 0.493     |
|    | 0.4 | 0.0068      | 1.550   | 1.559   | 1.562        | -0.131     | 1.320     |
| 10 | 0.5 | 0.0095      | 2.348   | 2.364   | 2.365        | 0.006      | 1.066     |
|    | 0.6 | 0.0101      | 3.193   | 3.267   | 3.261        | 0.116      | 0.925     |
|    | 0.7 | 0.0102      | 4.129   | 4.265   | 4.249        | 0.194      | 0.879     |
|    | 0.8 | 0.0096      | 5.169   | 5.390   | 5.389        | -0.061     | 0.995     |
|    | 0.9 | 0.0122      | 6.530   | 6.714   | 6.712        | -0.017     | 0.992     |

|      |                                 | Score | Report 1 | For ADS | MN on | Algorith | nm Verif | ication |       |        |  |  |
|------|---------------------------------|-------|----------|---------|-------|----------|----------|---------|-------|--------|--|--|
|      | P                               |       |          |         |       |          |          |         |       |        |  |  |
| N    | .1 .2 .3 .4 .5 .6 .7 .8 .9 Mean |       |          |         |       |          |          |         |       |        |  |  |
| 4    | 0.10                            | -0.10 | -0.09    | 0.04    | 0.19  | 0.17     | 0.08     | -0.20   | -0.13 | 0.008  |  |  |
| 5    | 0.52                            | -0.31 | 0.23     | 0.50    | 0.29  | 0.34     | 0.54     | -0.36   | 0.08  | 0.202  |  |  |
| 6    | -0.03                           | 0.01  | 0.10     | 0.37    | 0.31  | -0.64    | -0.10    | -0.58   | -0.58 | -0.127 |  |  |
| 7    | 0.00                            | 0.03  | 0.21     | -0.46   | 0.25  | -0.04    | 0.18     | -0.12   | 0.19  | 0.026  |  |  |
| 8    | -0.09                           | 0.19  | -0.10    | -0.02   | 0.09  | -0.15    | -0.09    | 0.27    | -0.25 | -0.017 |  |  |
| 9    | -0.18                           | 0.15  | 0.48     | 0.76    | 0.19  | -0.42    | 0.05     | 0.04    | -0.12 | 0.107  |  |  |
| 10   | -0.14                           | -0.37 | 0.89     | -0.13   | 0.01  | 0.12     | 0.19     | -0.06   | -0.02 | 0.054  |  |  |
| Mean | 0.03                            | -0.06 | 0.25     | 0.15    | 0.19  | -0.09    | 0.12     | -0.14   | -0.12 | 0.04   |  |  |

|   | Score Report For DSMNV on Algorithm Verification       |        |       |       |       |        |       |  |  |  |  |  |
|---|--|--------|-------|-------|-------|--------|-------|--|--|--|--|--|
| N | P Pooled SD Ideal Gilbert Verification Score Norm Diff |        |       |       |       |        |       |  |  |  |  |  |
|   | 0.1  | 0.0019 | 0.059 | 0.029 | 0.033 | 0.117  | 0.893 |  |  |  |  |  |
|   | 0.2  | 0.0035 | 0.181 | 0.125 | 0.127 | -0.140 | 0.965 |  |  |  |  |  |
|   | 0.3  | 0.0058 | 0.330 | 0.260 | 0.260 | -0.114 | 0.996 |  |  |  |  |  |

|   | Score Report For DSMNV on Algorithm Verification  N P Pooled SD Ideal Gilbert Verification Score Norm Diff |           |       |         |              |        |           |  |  |  |  |  |
|---|--|-----------|-------|---------|--------------|--------|-----------|--|--|--|--|--|
| N | P  | Pooled SD | Ideal | Gilbert | Verification | Score  | Norm Diff |  |  |  |  |  |
|   | 0.4  | 0.0056    | 0.474 | 0.402   | 0.409        | 0.024  | 0.902     |  |  |  |  |  |
|   | 0.5  | 0.0052    | 0.593 | 0.531   | 0.524        | 0.053  | 1.108     |  |  |  |  |  |
|   | 0.6  | 0.0083    | 0.694 | 0.625   | 0.625        | 0.075  | 1.002     |  |  |  |  |  |
|   | 0.7  | 0.0080    | 0.667 | 0.676   | 0.677        | -0.058 | 1.082     |  |  |  |  |  |
|   | 0.8  | 0.0090    | 0.592 | 0.646   | 0.645        | 0.199  | 0.975     |  |  |  |  |  |
|   | 0.9  | 0.0062    | 0.403 | 0.439   | 0.449        | -0.386 | 1.278     |  |  |  |  |  |
|   | 0.1  | 0.0016    | 0.022 | 0.023   | 0.023        | 0.741  | 0.505     |  |  |  |  |  |
|   | 0.2  | 0.0038    | 0.142 | 0.132   | 0.130        | -0.109 | 1.100     |  |  |  |  |  |
|   | 0.3  | 0.0044    | 0.322 | 0.291   | 0.295        | 0.301  | 0.879     |  |  |  |  |  |
|   | 0.4  | 0.0052    | 0.506 | 0.439   | 0.444        | 0.047  | 0.919     |  |  |  |  |  |
| 5 | 0.5  | 0.0092    | 0.682 | 0.580   | 0.577        | -0.014 | 1.029     |  |  |  |  |  |
|   | 0.6  | 0.0095    | 0.790 | 0.696   | 0.673        | -0.291 | 1.248     |  |  |  |  |  |
|   | 0.7  | 0.0109    | 0.848 | 0.711   | 0.727        | 0.080  | 0.885     |  |  |  |  |  |
|   | 0.8  | 0.0097    | 0.795 | 0.725   | 0.728        | 0.032  | 0.963     |  |  |  |  |  |
|   | 0.9  | 0.0073    | 0.569 | 0.582   | 0.576        | 0.605  | 0.558     |  |  |  |  |  |
|   | 0.1  | 0.0018    | 0.047 | 0.022   | 0.021        | -0.050 | 1.031     |  |  |  |  |  |
|   | 0.2  | 0.0028    | 0.197 | 0.147   | 0.144        | -0.025 | 1.053     |  |  |  |  |  |
|   | 0.3  | 0.0053    | 0.369 | 0.331   | 0.335        | 0.223  | 0.892     |  |  |  |  |  |
|   | 0.4  | 0.0076    | 0.556 | 0.502   | 0.503        | 0.120  | 0.979     |  |  |  |  |  |
| 6 | 0.5  | 0.0074    | 0.740 | 0.643   | 0.646        | 0.151  | 0.977     |  |  |  |  |  |
|   | 0.6  | 0.0121    | 0.917 | 0.733   | 0.738        | -0.036 | 0.976     |  |  |  |  |  |
|   | 0.7  | 0.0129    | 1.004 | 0.756   | 0.764        | 0.093  | 0.970     |  |  |  |  |  |
|   | 0.8  | 0.0101    | 0.948 | 0.773   | 0.762        | -0.030 | 1.060     |  |  |  |  |  |
|   | 0.9  | 0.0093    | 0.681 | 0.666   | 0.672        | 0.471  | 0.631     |  |  |  |  |  |
|   | 0.1  | 0.0012    | 0.029 | 0.020   | 0.020        | 0.017  | 0.955     |  |  |  |  |  |
|   | 0.2  | 0.0035    | 0.187 | 0.166   | 0.164        | 0.002  | 1.135     |  |  |  |  |  |
|   | 0.3  | 0.0051    | 0.396 | 0.376   | 0.376        | 0.140  | 0.968     |  |  |  |  |  |
|   | 0.4  | 0.0086    | 0.597 | 0.561   | 0.563        | 0.109  | 0.952     |  |  |  |  |  |
| 7 | 0.5  | 0.0071    | 0.791 | 0.705   | 0.698        | 0.089  | 1.083     |  |  |  |  |  |
|   | 0.6  | 0.0114    | 0.939 | 0.783   | 0.807        | 0.297  | 0.848     |  |  |  |  |  |
|   | 0.7  | 0.0118    | 1.076 | 0.842   | 0.835        | 0.084  | 1.032     |  |  |  |  |  |
|   | 0.8  | 0.0136    | 1.069 | 0.820   | 0.797        | -0.081 | 1.089     |  |  |  |  |  |
|   | 0.9  | 0.0112    | 0.795 | 0.696   | 0.699        | 0.229  | 0.964     |  |  |  |  |  |
|   | 0.1  | 0.0015    | 0.045 | 0.020   | 0.020        | -0.075 | 1.010     |  |  |  |  |  |
|   | 0.2  | 0.0033    | 0.218 | 0.185   | 0.187        | 0.130  | 0.930     |  |  |  |  |  |
|   | 0.3  | 0.0053    | 0.427 | 0.414   | 0.418        | 0.350  | 0.648     |  |  |  |  |  |
| _ | 0.4  | 0.0088    | 0.624 | 0.620   | 0.613        | -1.314 | 2.979     |  |  |  |  |  |
| 8 | 0.5  | 0.0120    | 0.808 | 0.773   | 0.767        | -0.403 | 1.184     |  |  |  |  |  |
|   | 0.6  | 0.0129    | 0.957 | 0.859   | 0.871        | 0.122  | 0.874     |  |  |  |  |  |
|   | 0.7  | 0.0132    | 1.114 | 0.916   | 0.906        | -0.330 | 1.051     |  |  |  |  |  |
|   | 0.8  | 0.0141    | 1.179 | 0.862   | 0.860        | -0.063 | 1.006     |  |  |  |  |  |

|    |     | Score Repor | t For D | SMNV on | Algorithm Ve | rification | n         |
|----|-----|-------------|---------|---------|--------------|------------|-----------|
| N  | P   | Pooled SD   | Ideal   | Gilbert | Verification | Score      | Norm Diff |
|    | 0.9 | 0.0113      | 0.919   | 0.717   | 0.723        | -0.058     | 0.967     |
|    | 0.1 | 0.0015      | 0.033   | 0.022   | 0.020        | -0.220     | 1.144     |
|    | 0.2 | 0.0035      | 0.238   | 0.208   | 0.212        | 0.102      | 0.875     |
|    | 0.3 | 0.0064      | 0.464   | 0.469   | 0.459        | 0.083      | -0.986    |
|    | 0.4 | 0.0112      | 0.667   | 0.684   | 0.655        | 0.370      | -0.694    |
| 9  | 0.5 | 0.0100      | 0.835   | 0.837   | 0.831        | -1.126     | -3.379    |
|    | 0.6 | 0.0133      | 0.976   | 0.917   | 0.934        | 0.502      | 0.712     |
|    | 0.7 | 0.0124      | 1.120   | 0.975   | 0.975        | -0.020     | 0.998     |
|    | 0.8 | 0.0129      | 1.210   | 0.918   | 0.886        | -0.089     | 1.110     |
|    | 0.9 | 0.0105      | 1.023   | 0.730   | 0.744        | 0.013      | 0.954     |
|    | 0.1 | 0.0017      | 0.036   | 0.024   | 0.022        | -0.145     | 1.103     |
|    | 0.2 | 0.0037      | 0.256   | 0.245   | 0.236        | -0.461     | 1.735     |
|    | 0.3 | 0.0068      | 0.497   | 0.499   | 0.508        | -1.754     | 6.421     |
|    | 0.4 | 0.0094      | 0.712   | 0.714   | 0.720        | -1.148     | 3.210     |
| 10 | 0.5 | 0.0111      | 0.895   | 0.877   | 0.890        | 1.093      | 0.317     |
|    | 0.6 | 0.0122      | 1.042   | 0.996   | 0.993        | 0.179      | 1.076     |
|    | 0.7 | 0.0138      | 1.094   | 1.029   | 1.029        | 0.114      | 1.005     |
|    | 0.8 | 0.0139      | 1.219   | 0.949   | 0.950        | 0.030      | 0.995     |
|    | 0.9 | 0.0142      | 1.122   | 0.771   | 0.760        | -0.112     | 1.031     |

|      |       | Score | Report | For DSN | INV on | Algorith | m Verifi | cation |       |        |  |  |
|------|-------|-------|--------|---------|--------|----------|----------|--------|-------|--------|--|--|
|      | P     |       |        |         |        |          |          |        |       |        |  |  |
| N    | .1    | .2    | .3     | .4      | .5     | .6       | .7       | .8     | .9    | Mean   |  |  |
| 4    | 0.12  | -0.14 | -0.11  | 0.02    | 0.05   | 0.07     | -0.06    | 0.20   | -0.39 | -0.026 |  |  |
| 5    | 0.74  | -0.11 | 0.30   | 0.05    | -0.01  | -0.29    | 0.08     | 0.03   | 0.60  | 0.154  |  |  |
| 6    | -0.05 | -0.03 | 0.22   | 0.12    | 0.15   | -0.04    | 0.09     | -0.03  | 0.47  | 0.102  |  |  |
| 7    | 0.02  | 0.00  | 0.14   | 0.11    | 0.09   | 0.30     | 0.08     | -0.08  | 0.23  | 0.099  |  |  |
| 8    | -0.07 | 0.13  | 0.35   | -1.31   | -0.40  | 0.12     | -0.33    | -0.06  | -0.06 | -0.182 |  |  |
| 9    | -0.22 | 0.10  | 0.08   | 0.37    | -1.13  | 0.50     | -0.02    | -0.09  | 0.01  | -0.043 |  |  |
| 10   | -0.14 | -0.46 | -1.75  | -1.15   | 1.09   | 0.18     | 0.11     | 0.03   | -0.11 | -0.245 |  |  |
| Mean | 0.05  | -0.07 | -0.11  | -0.26   | -0.02  | 0.12     | -0.01    | -0.00  | 0.11  | -0.02  |  |  |

|   | Score Report For ADSMX on Algorithm Verification |           |       |         |              |        |           |  |  |  |  |  |
|---|--|-----------|-------|---------|--------------|--------|-----------|--|--|--|--|--|
| N | P  | Pooled SD | Ideal | Gilbert | Verification | Score  | Norm Diff |  |  |  |  |  |
|   | 0.1  | 0.0057    | 0.542 | 0.556   | 0.573        | -0.867 | 2.287     |  |  |  |  |  |
|   | 0.2  | 0.0079    | 0.994 | 1.065   | 1.067        | -0.178 | 1.022     |  |  |  |  |  |
|   | 0.3  | 0.0081    | 1.405 | 1.495   | 1.495        | -0.107 | 0.995     |  |  |  |  |  |
|   | $\mid 0.4 \mid$                                  | 0.0079    | 1.768 | 1.864   | 1.866        | -0.034 | 1.020     |  |  |  |  |  |
| 4 | 0.5  | 0.0068    | 2.085 | 2.193   | 2.189        | 0.127  | 0.969     |  |  |  |  |  |
|   | 0.6  | 0.0062    | 2.359 | 2.465   | 2.471        | 0.040  | 1.053     |  |  |  |  |  |

|   | Score Report For ADSMX on Algorithm Verification  N. D. Deoled SD. Ideal Cilbert Verification Score Norm Diff |           |       |         |              |        |           |  |  |  |  |
|---|---|-----------|-------|---------|--------------|--------|-----------|--|--|--|--|
| N | P   | Pooled SD | Ideal | Gilbert | Verification | Score  | Norm Diff |  |  |  |  |
|   | 0.7   | 0.0057    | 2.607 | 2.697   | 2.690        | 0.091  | 0.922     |  |  |  |  |
|   | 0.8   | 0.0037    | 2.800 | 2.866   | 2.861        | 0.077  | 0.921     |  |  |  |  |
|   | 0.9   | 0.0021    | 2.939 | 2.966   | 2.965        | -0.223 | 0.994     |  |  |  |  |
|   | 0.1   | 0.0081    | 0.844 | 0.856   | 0.873        | -0.775 | 2.314     |  |  |  |  |
|   | 0.2   | 0.0078    | 1.515 | 1.533   | 1.549        | -0.699 | 1.887     |  |  |  |  |
|   | 0.3   | 0.0087    | 2.075 | 2.094   | 2.090        | 0.359  | 0.804     |  |  |  |  |
|   | 0.4   | 0.0086    | 2.558 | 2.559   | 2.562        | -2.258 | 9.091     |  |  |  |  |
| 5 | 0.5   | 0.0076    | 2.964 | 2.980   | 2.975        | 0.457  | 0.699     |  |  |  |  |
|   | 0.6   | 0.0070    | 3.326 | 3.336   | 3.336        | -0.017 | 0.990     |  |  |  |  |
|   | 0.7   | 0.0054    | 3.626 | 3.635   | 3.640        | -0.693 | 1.616     |  |  |  |  |
|   | 0.8   | 0.0034    | 3.853 | 3.866   | 3.859        | 0.747  | 0.495     |  |  |  |  |
|   | 0.9   | 0.0013    | 3.976 | 3.977   | 3.978        | -0.722 | 2.417     |  |  |  |  |
|   | 0.1   | 0.0086    | 1.145 | 1.181   | 1.179        | 0.044  | 0.963     |  |  |  |  |
|   | 0.2   | 0.0086    | 1.993 | 1.995   | 1.991        | 0.936  | -0.467    |  |  |  |  |
|   | 0.3   | 0.0094    | 2.662 | 2.654   | 2.654        | -0.061 | 1.000     |  |  |  |  |
|   | 0.4   | 0.0084    | 3.237 | 3.224   | 3.232        | 0.928  | 0.401     |  |  |  |  |
| 6 | 0.5   | 0.0091    | 3.716 | 3.733   | 3.733        | -0.059 | 0.996     |  |  |  |  |
|   | 0.6   | 0.0056    | 4.136 | 4.179   | 4.177        | 0.051  | 0.940     |  |  |  |  |
|   | 0.7   | 0.0058    | 4.492 | 4.559   | 4.556        | 0.042  | 0.959     |  |  |  |  |
|   | 0.8   | 0.0037    | 4.769 | 4.841   | 4.836        | 0.051  | 0.940     |  |  |  |  |
|   | 0.9   | 0.0014    | 4.949 | 4.979   | 4.978        | 0.019  | 0.977     |  |  |  |  |
|   | 0.1   | 0.0077    | 1.496 | 1.467   | 1.474        | 0.133  | 0.769     |  |  |  |  |
|   | 0.2   | 0.0068    | 2.493 | 2.425   | 2.421        | 0.227  | 1.071     |  |  |  |  |
|   | 0.3   | 0.0084    | 3.292 | 3.182   | 3.195        | 0.099  | 0.886     |  |  |  |  |
|   | 0.4   | 0.0099    | 3.937 | 3.862   | 3.872        | 0.170  | 0.861     |  |  |  |  |
| 7 | 0.5   | 0.0081    | 4.525 | 4.473   | 4.477        | 0.099  | 0.921     |  |  |  |  |
|   | 0.6   | 0.0067    | 5.001 | 5.019   | 5.008        | 1.005  | 0.382     |  |  |  |  |
|   | 0.7   | 0.0058    | 5.448 | 5.475   | 5.464        | 0.489  | 0.616     |  |  |  |  |
|   | 0.8   | 0.0037    | 5.781 | 5.817   | 5.812        | 0.092  | 0.859     |  |  |  |  |
|   | 0.9   | 0.0015    | 5.974 | 5.980   | 5.980        | -0.018 | 1.000     |  |  |  |  |
|   | 0.1   | 0.0112    | 1.815 | 1.755   | 1.755        | -0.133 | 1.000     |  |  |  |  |
|   | 0.2   | 0.0081    | 2.932 | 2.837   | 2.837        | -0.068 | 0.994     |  |  |  |  |
|   | 0.3   | 0.0097    | 3.827 | 3.706   | 3.720        | 0.146  | 0.888     |  |  |  |  |
|   | 0.4   | 0.0088    | 4.580 | 4.517   | 4.508        | 0.004  | 1.152     |  |  |  |  |
| 8 | 0.5   | 0.0087    | 5.250 | 5.205   | 5.213        | 0.073  | 0.825     |  |  |  |  |
|   | 0.6   | 0.0076    | 5.839 | 5.837   | 5.836        | -0.256 | 1.358     |  |  |  |  |
|   | 0.7   | 0.0070    | 6.329 | 6.365   | 6.366        | -0.087 | 1.034     |  |  |  |  |
|   | 0.8   | 0.0044    | 6.728 | 6.784   | 6.779        | 0.032  | 0.921     |  |  |  |  |
|   | 0.9   | 0.0016    | 6.956 | 6.979   | 6.979        | -0.028 | 1.007     |  |  |  |  |
|   | 0.1   | 0.0091    | 2.164 | 2.032   | 2.023        | -0.027 | 1.071     |  |  |  |  |
|   | 0.2   | 0.0088    | 3.397 | 3.220   | 3.219        | 0.087  | 1.004     |  |  |  |  |

9 13

|    |     | Score Repor | t For A | DSMX on | Algorithm Ve | erification | n         |
|----|-----|-------------|---------|---------|--------------|-------------|-----------|
| N  | P   | Pooled SD   | Ideal   | Gilbert | Verification | Score       | Norm Diff |
|    | 0.3 | 0.0072      | 4.371   | 4.228   | 4.252        | 0.316       | 0.834     |
|    | 0.4 | 0.0101      | 5.214   | 5.143   | 5.114        | -0.296      | 1.410     |
|    | 0.5 | 0.0097      | 5.951   | 5.926   | 5.920        | -0.232      | 1.257     |
|    | 0.6 | 0.0103      | 6.662   | 6.630   | 6.635        | 0.098       | 0.842     |
|    | 0.7 | 0.0066      | 7.237   | 7.259   | 7.261        | -0.109      | 1.089     |
|    | 0.8 | 0.0045      | 7.698   | 7.741   | 7.740        | 0.089       | 0.966     |
|    | 0.9 | 0.0016      | 7.963   | 7.979   | 7.976        | 0.190       | 0.820     |
|    | 0.1 | 0.0074      | 2.490   | 2.279   | 2.283        | 0.028       | 0.981     |
|    | 0.2 | 0.0102      | 3.826   | 3.625   | 3.611        | -0.082      | 1.066     |
|    | 0.3 | 0.0091      | 4.869   | 4.725   | 4.751        | 0.221       | 0.820     |
|    | 0.4 | 0.0104      | 5.799   | 5.740   | 5.744        | -0.253      | 0.931     |
| 10 | 0.5 | 0.0107      | 6.661   | 6.638   | 6.638        | 0.078       | 1.029     |
|    | 0.6 | 0.0078      | 7.454   | 7.452   | 7.431        | -2.946      | 13.760    |
|    | 0.7 | 0.0068      | 8.127   | 8.145   | 8.132        | 1.401       | 0.261     |
|    | 0.8 | 0.0046      | 8.663   | 8.697   | 8.697        | -0.034      | 1.011     |
|    | 0.9 | 0.0017      | 8.958   | 8.975   | 8.976        | -0.002      | 1.044     |

|      | Score Report For ADSMX on Algorithm Verification |       |       |       |       |       |       |       |       |        |  |  |
|------|--|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|--|
|      | P  |       |       |       |       |       |       |       |       |        |  |  |
| N    | .1   | .2    | .3    | .4    | .5    | .6    | .7    | .8    | .9    | Mean   |  |  |
| 4    | -0.87  | -0.18 | -0.11 | -0.03 | 0.13  | 0.04  | 0.09  | 0.08  | -0.22 | -0.119 |  |  |
| 5    | -0.77  | -0.70 | 0.36  | -2.26 | 0.46  | -0.02 | -0.69 | 0.75  | -0.72 | -0.400 |  |  |
| 6    | 0.04   | 0.94  | -0.06 | 0.93  | -0.06 | 0.05  | 0.04  | 0.05  | 0.02  | 0.217  |  |  |
| 7    | 0.13   | 0.23  | 0.10  | 0.17  | 0.10  | 1.01  | 0.49  | 0.09  | -0.02 | 0.255  |  |  |
| 8    | -0.13  | -0.07 | 0.15  | 0.00  | 0.07  | -0.26 | -0.09 | 0.03  | -0.03 | -0.035 |  |  |
| 9    | -0.03  | 0.09  | 0.32  | -0.30 | -0.23 | 0.10  | -0.11 | 0.09  | 0.19  | 0.013  |  |  |
| 10   | 0.03   | -0.08 | 0.22  | -0.25 | 0.08  | -2.95 | 1.40  | -0.03 | -0.00 | -0.176 |  |  |
| Mean | -0.23  | 0.03  | 0.14  | -0.25 | 0.08  | -0.29 | 0.16  | 0.15  | -0.11 | -0.04  |  |  |

|   |     | Score Repor | t For D | SMXV on | Algorithm Ve | erification | n         |
|---|-----|-------------|---------|---------|--------------|-------------|-----------|
| N | P   | Pooled SD   | Ideal   | Gilbert | Verification | Score       | Norm Diff |
|   | 0.1 | 0.0055      | 0.410   | 0.445   | 0.452        | -0.309      | 1.195     |
|   | 0.2 | 0.0065      | 0.587   | 0.642   | 0.637        | 0.012       | 0.915     |
|   | 0.3 | 0.0079      | 0.677   | 0.676   | 0.680        | -0.427      | -1.346    |
|   | 0.4 | 0.0074      | 0.672   | 0.633   | 0.622        | -0.225      | 1.283     |
| 4 | 0.5 | 0.0064      | 0.600   | 0.528   | 0.520        | -0.102      | 1.114     |
|   | 0.6 | 0.0053      | 0.473   | 0.400   | 0.395        | 0.110       | 1.071     |
|   | 0.7 | 0.0053      | 0.318   | 0.258   | 0.264        | 0.093       | 0.901     |
|   | 0.8 | 0.0036      | 0.178   | 0.126   | 0.129        | -0.111      | 0.940     |
|   | 0.9 | 0.0021      | 0.059   | 0.034   | 0.034        | -0.163      | 0.971     |

|   |     | Score Repor | t For D | SMXV on | Algorithm Ve | erification | 1         |
|---|-----|-------------|---------|---------|--------------|-------------|-----------|
| N | P   | Pooled SD   | Ideal   | Gilbert | Verification | Score       | Norm Diff |
|   | 0.1 | 0.0075      | 0.568   | 0.575   | 0.594        | -1.413      | 3.776     |
|   | 0.2 | 0.0107      | 0.793   | 0.742   | 0.731        | -0.010      | 1.216     |
|   | 0.3 | 0.0098      | 0.857   | 0.732   | 0.736        | 0.047       | 0.965     |
|   | 0.4 | 0.0099      | 0.792   | 0.653   | 0.661        | -0.038      | 0.946     |
| 5 | 0.5 | 0.0090      | 0.673   | 0.584   | 0.579        | -0.121      | 1.061     |
|   | 0.6 | 0.0065      | 0.521   | 0.456   | 0.450        | -0.088      | 1.085     |
|   | 0.7 | 0.0052      | 0.325   | 0.298   | 0.291        | -0.370      | 1.253     |
|   | 0.8 | 0.0035      | 0.141   | 0.124   | 0.129        | 0.417       | 0.692     |
|   | 0.9 | 0.0014      | 0.024   | 0.022   | 0.021        | -0.499      | 1.898     |
|   | 0.1 | 0.0095      | 0.698   | 0.673   | 0.655        | -0.694      | 1.718     |
|   | 0.2 | 0.0108      | 0.952   | 0.782   | 0.753        | -0.148      | 1.171     |
|   | 0.3 | 0.0106      | 1.018   | 0.771   | 0.779        | 0.012       | 0.968     |
|   | 0.4 | 0.0094      | 0.913   | 0.744   | 0.738        | -0.011      | 1.039     |
| 6 | 0.5 | 0.0107      | 0.743   | 0.643   | 0.641        | -0.055      | 1.014     |
|   | 0.6 | 0.0059      | 0.560   | 0.510   | 0.512        | 0.057       | 0.970     |
|   | 0.7 | 0.0051      | 0.370   | 0.340   | 0.332        | -0.303      | 1.259     |
|   | 0.8 | 0.0032      | 0.197   | 0.143   | 0.146        | 0.014       | 0.952     |
|   | 0.9 | 0.0013      | 0.049   | 0.021   | 0.022        | 0.001       | 0.977     |
|   | 0.1 | 0.0113      | 0.812   | 0.696   | 0.690        | -0.025      | 1.052     |
|   | 0.2 | 0.0148      | 1.090   | 0.812   | 0.806        | -0.081      | 1.022     |
|   | 0.3 | 0.0113      | 1.083   | 0.846   | 0.828        | -0.108      | 1.073     |
|   | 0.4 | 0.0152      | 0.958   | 0.793   | 0.803        | 0.153       | 0.939     |
| 7 | 0.5 | 0.0093      | 0.766   | 0.707   | 0.708        | -0.007      | 0.991     |
|   | 0.6 | 0.0064      | 0.593   | 0.565   | 0.563        | 0.003       | 1.074     |
|   | 0.7 | 0.0052      | 0.395   | 0.382   | 0.375        | -0.660      | 1.548     |
|   | 0.8 | 0.0030      | 0.190   | 0.159   | 0.164        | 0.179       | 0.834     |
|   | 0.9 | 0.0015      | 0.026   | 0.020   | 0.020        | -0.036      | 1.025     |
|   | 0.1 | 0.0136      | 0.915   | 0.732   | 0.722        | -0.070      | 1.054     |
|   | 0.2 | 0.0109      | 1.190   | 0.841   | 0.861        | -0.015      | 0.941     |
|   | 0.3 | 0.0164      | 1.103   | 0.909   | 0.897        | -0.086      | 1.061     |
|   | 0.4 | 0.0131      | 0.983   | 0.867   | 0.855        | -0.229      | 1.105     |
| 8 | 0.5 | 0.0109      | 0.797   | 0.769   | 0.770        | -0.215      | 0.965     |
|   | 0.6 | 0.0079      | 0.639   | 0.615   | 0.614        | -0.302      | 1.049     |
|   | 0.7 | 0.0062      | 0.425   | 0.419   | 0.419        | -0.252      | 1.109     |
|   | 0.8 | 0.0035      | 0.220   | 0.186   | 0.187        | -0.082      | 0.969     |
|   | 0.9 | 0.0015      | 0.042   | 0.021   | 0.021        | -0.045      | 1.023     |
|   | 0.1 | 0.0109      | 1.036   | 0.726   | 0.734        | 0.049       | 0.972     |
|   | 0.2 | 0.0149      | 1.202   | 0.917   | 0.894        | 0.161       | 1.080     |
|   | 0.3 | 0.0136      | 1.081   | 0.983   | 0.966        | 0.043       | 1.167     |
|   | 0.4 | 0.0114      | 0.963   | 0.944   | 0.931        | -0.261      | 1.716     |
| 9 | 0.5 | 0.0097      | 0.851   | 0.830   | 0.824        | -0.348      | 1.305     |

|    |     | Score Repor | t For D | SMXV on | Algorithm Ve | erification | n         |
|----|-----|-------------|---------|---------|--------------|-------------|-----------|
| N  | P   | Pooled SD   | Ideal   | Gilbert | Verification | Score       | Norm Diff |
|    | 0.6 | 0.0093      | 0.664   | 0.670   | 0.661        | 1.033       | -0.436    |
|    | 0.7 | 0.0065      | 0.459   | 0.465   | 0.461        | 0.953       | 0.336     |
|    | 0.8 | 0.0038      | 0.237   | 0.213   | 0.213        | -0.001      | 0.973     |
|    | 0.9 | 0.0015      | 0.036   | 0.020   | 0.023        | 0.199       | 0.816     |
|    | 0.1 | 0.0138      | 1.155   | 0.761   | 0.761        | 0.082       | 1.000     |
|    | 0.2 | 0.0148      | 1.192   | 0.948   | 0.944        | 0.098       | 1.015     |
|    | 0.3 | 0.0164      | 1.109   | 1.012   | 1.023        | 0.241       | 0.886     |
|    | 0.4 | 0.0115      | 1.016   | 1.011   | 1.000        | -0.936      | 2.860     |
| 10 | 0.5 | 0.0100      | 0.897   | 0.888   | 0.878        | -0.912      | 2.088     |
|    | 0.6 | 0.0094      | 0.708   | 0.727   | 0.716        | 0.792       | 0.410     |
|    | 0.7 | 0.0058      | 0.501   | 0.501   | 0.506        | -2.207      | -9.341    |
|    | 0.8 | 0.0030      | 0.256   | 0.238   | 0.240        | 0.228       | 0.923     |
|    | 0.9 | 0.0016      | 0.040   | 0.024   | 0.023        | -0.019      | 1.049     |

|      |       | Score                           | Report | For DSN | IXV on | Algorith | m Verifi | cation |       |        |  |  |  |
|------|-------|---------------------------------|--------|---------|--------|----------|----------|--------|-------|--------|--|--|--|
|      | Р     |                                 |        |         |        |          |          |        |       |        |  |  |  |
| N    | .1    | .1 .2 .3 .4 .5 .6 .7 .8 .9 Mean |        |         |        |          |          |        |       |        |  |  |  |
| 4    | -0.31 | 0.01                            | -0.43  | -0.23   | -0.10  | 0.11     | 0.09     | -0.11  | -0.16 | -0.125 |  |  |  |
| 5    | -1.41 | -0.01                           | 0.05   | -0.04   | -0.12  | -0.09    | -0.37    | 0.42   | -0.50 | -0.231 |  |  |  |
| 6    | -0.69 | -0.15                           | 0.01   | -0.01   | -0.05  | 0.06     | -0.30    | 0.01   | 0.00  | -0.125 |  |  |  |
| 7    | -0.03 | -0.08                           | -0.11  | 0.15    | -0.01  | 0.00     | -0.66    | 0.18   | -0.04 | -0.065 |  |  |  |
| 8    | -0.07 | -0.01                           | -0.09  | -0.23   | -0.22  | -0.30    | -0.25    | -0.08  | -0.05 | -0.144 |  |  |  |
| 9    | 0.05  | 0.16                            | 0.04   | -0.26   | -0.35  | 1.03     | 0.95     | -0.00  | 0.20  | 0.203  |  |  |  |
| 10   | 0.08  | 0.10                            | 0.24   | -0.94   | -0.91  | 0.79     | -2.21    | 0.23   | -0.02 | -0.293 |  |  |  |
| Mean | -0.34 | 0.00                            | -0.04  | -0.22   | -0.25  | 0.23     | -0.39    | 0.09   | -0.08 | -0.11  |  |  |  |

|   |     | Score Repo | ort For A | ADSV on . | Algorithm Ver | ification |           |
|---|-----|------------|-----------|-----------|---------------|-----------|-----------|
| N | P   | Pooled SD  | Ideal     | Gilbert   | Verification  | Score     | Norm Diff |
|   | 0.1 | 0.0019     | 0.163     | 0.177     | 0.182         | -0.304    | 1.352     |
|   | 0.2 | 0.0028     | 0.283     | 0.322     | 0.321         | -0.037    | 0.983     |
|   | 0.3 | 0.0032     | 0.373     | 0.420     | 0.422         | -0.134    | 1.038     |
|   | 0.4 | 0.0031     | 0.440     | 0.479     | 0.479         | -0.120    | 1.013     |
| 4 | 0.5 | 0.0028     | 0.462     | 0.502     | 0.501         | 0.154     | 0.994     |
|   | 0.6 | 0.0031     | 0.437     | 0.481     | 0.480         | 0.068     | 0.978     |
|   | 0.7 | 0.0032     | 0.376     | 0.420     | 0.417         | 0.241     | 0.933     |
|   | 0.8 | 0.0029     | 0.284     | 0.321     | 0.319         | -0.041    | 0.958     |
|   | 0.9 | 0.0025     | 0.164     | 0.179     | 0.179         | -0.196    | 0.989     |
|   | 0.1 | 0.0029     | 0.264     | 0.264     | 0.272         | -3.083    | 23.647    |
|   | 0.2 | 0.0034     | 0.489     | 0.477     | 0.484         | 0.718     | 0.419     |
|   | 0.3 | 0.0038     | 0.664     | 0.631     | 0.629         | -0.155    | 1.078     |

|   | Score Report For ADSV on Algorithm Verification |           |       |         |              |        |           |  |  |  |  |  |
|---|---|-----------|-------|---------|--------------|--------|-----------|--|--|--|--|--|
| N | P   | Pooled SD | Ideal | Gilbert | Verification | Score  | Norm Diff |  |  |  |  |  |
|   | 0.4   | 0.0056    | 0.777 | 0.721   | 0.720        | -0.081 | 1.031     |  |  |  |  |  |
|   | 0.5   | 0.0047    | 0.807 | 0.748   | 0.749        | 0.041  | 0.978     |  |  |  |  |  |
|   | 0.6   | 0.0038    | 0.768 | 0.721   | 0.717        | 0.013  | 1.078     |  |  |  |  |  |
|   | 0.7   | 0.0040    | 0.662 | 0.631   | 0.630        | 0.010  | 1.039     |  |  |  |  |  |
|   | 0.8   | 0.0040    | 0.483 | 0.482   | 0.482        | -0.201 | 1.107     |  |  |  |  |  |
|   | 0.9   | 0.0028    | 0.265 | 0.270   | 0.269        | 0.072  | 0.887     |  |  |  |  |  |
|   | 0.1   | 0.0033    | 0.361 | 0.363   | 0.360        | 0.898  | -0.420    |  |  |  |  |  |
|   | 0.2   | 0.0041    | 0.673 | 0.639   | 0.638        | 0.141  | 1.020     |  |  |  |  |  |
|   | 0.3   | 0.0054    | 0.897 | 0.832   | 0.842        | 0.087  | 0.858     |  |  |  |  |  |
|   | 0.4   | 0.0060    | 1.037 | 0.962   | 0.960        | -0.040 | 1.026     |  |  |  |  |  |
| 6 | 0.5   | 0.0059    | 1.071 | 1.005   | 0.996        | -0.219 | 1.136     |  |  |  |  |  |
|   | 0.6   | 0.0048    | 1.036 | 0.964   | 0.954        | -0.041 | 1.139     |  |  |  |  |  |
|   | 0.7   | 0.0054    | 0.887 | 0.837   | 0.837        | -0.109 | 0.996     |  |  |  |  |  |
|   | 0.8   | 0.0043    | 0.659 | 0.634   | 0.641        | 0.233  | 0.730     |  |  |  |  |  |
|   | 0.9   | 0.0032    | 0.360 | 0.359   | 0.363        | -1.190 | -3.487    |  |  |  |  |  |
|   | 0.1   | 0.0032    | 0.490 | 0.447   | 0.448        | 0.044  | 0.970     |  |  |  |  |  |
|   | 0.2   | 0.0040    | 0.898 | 0.801   | 0.799        | 0.103  | 1.017     |  |  |  |  |  |
|   | 0.3   | 0.0055    | 1.170 | 1.046   | 1.050        | 0.114  | 0.973     |  |  |  |  |  |
|   | 0.4   | 0.0064    | 1.311 | 1.190   | 1.200        | 0.089  | 0.917     |  |  |  |  |  |
| 7 | 0.5   | 0.0063    | 1.374 | 1.247   | 1.253        | 0.157  | 0.947     |  |  |  |  |  |
|   | 0.6   | 0.0060    | 1.322 | 1.198   | 1.191        | -0.019 | 1.055     |  |  |  |  |  |
|   | 0.7   | 0.0052    | 1.163 | 1.049   | 1.057        | -0.000 | 0.932     |  |  |  |  |  |
|   | 0.8   | 0.0043    | 0.889 | 0.805   | 0.799        | 0.013  | 1.071     |  |  |  |  |  |
|   | 0.9   | 0.0035    | 0.487 | 0.448   | 0.451        | 0.116  | 0.931     |  |  |  |  |  |
|   | 0.1   | 0.0050    | 0.611 | 0.538   | 0.538        | -0.041 | 1.002     |  |  |  |  |  |
|   | 0.2   | 0.0047    | 1.088 | 0.962   | 0.963        | -0.088 | 0.989     |  |  |  |  |  |
|   | 0.3   | 0.0072    | 1.390 | 1.257   | 1.264        | 0.052  | 0.949     |  |  |  |  |  |
|   | 0.4   | 0.0067    | 1.561 | 1.446   | 1.438        | 0.175  | 1.073     |  |  |  |  |  |
| 8 | 0.5   | 0.0071    | 1.610 | 1.498   | 1.500        | 0.095  | 0.979     |  |  |  |  |  |
|   | 0.6   | 0.0069    | 1.541 | 1.439   | 1.436        | 0.018  | 1.025     |  |  |  |  |  |
|   | 0.7   | 0.0072    | 1.391 | 1.264   | 1.261        | -0.131 | 1.017     |  |  |  |  |  |
|   | 0.8   | 0.0056    | 1.093 | 0.956   | 0.958        | 0.087  | 0.979     |  |  |  |  |  |
|   | 0.9   | 0.0048    | 0.612 | 0.542   | 0.543        | -0.226 | 0.988     |  |  |  |  |  |
|   | 0.1   | 0.0048    | 0.763 | 0.629   | 0.628        | 0.063  | 1.011     |  |  |  |  |  |
|   | 0.2   | 0.0056    | 1.294 | 1.120   | 1.116        | -0.044 | 1.021     |  |  |  |  |  |
|   | 0.3   | 0.0058    | 1.610 | 1.470   | 1.474        | 0.215  | 0.973     |  |  |  |  |  |
|   | 0.4   | 0.0084    | 1.792 | 1.686   | 1.674        | -0.279 | 1.121     |  |  |  |  |  |
| 9 | 0.5   | 0.0084    | 1.821 | 1.752   | 1.756        | 0.109  | 0.936     |  |  |  |  |  |
|   | 0.6   | 0.0058    | 1.786 | 1.685   | 1.677        | -0.060 | 1.079     |  |  |  |  |  |
|   | 0.7   | 0.0073    | 1.618 | 1.467   | 1.477        | 0.007  | 0.932     |  |  |  |  |  |
|   | 0.8   | 0.0062    | 1.297 | 1.118   | 1.121        | 0.054  | 0.984     |  |  |  |  |  |

|    |     | Score Repo | ort For A | ADSV on | Algorithm Ver | ification |           |
|----|-----|------------|-----------|---------|---------------|-----------|-----------|
| N  | P   | Pooled SD  | Ideal     | Gilbert | Verification  | Score     | Norm Diff |
|    | 0.9 | 0.0044     | 0.759     | 0.629   | 0.630         | -0.054    | 0.995     |
|    | 0.1 | 0.0036     | 0.912     | 0.717   | 0.720         | 0.118     | 0.986     |
|    | 0.2 | 0.0071     | 1.491     | 1.283   | 1.281         | -0.037    | 1.010     |
|    | 0.3 | 0.0070     | 1.818     | 1.675   | 1.683         | 0.030     | 0.943     |
|    | 0.4 | 0.0083     | 2.009     | 1.927   | 1.924         | -0.223    | 1.041     |
| 10 | 0.5 | 0.0085     | 2.059     | 1.997   | 2.005         | 0.269     | 0.872     |
|    | 0.6 | 0.0078     | 2.008     | 1.924   | 1.912         | -0.152    | 1.147     |
|    | 0.7 | 0.0083     | 1.818     | 1.680   | 1.687         | 0.110     | 0.952     |
|    | 0.8 | 0.0067     | 1.494     | 1.279   | 1.279         | -0.051    | 1.004     |
|    | 0.9 | 0.0056     | 0.898     | 0.724   | 0.721         | -0.063    | 1.020     |

|      | Score Report For ADSV on Algorithm Verification |       |       |       |       |       |       |       |       |        |  |  |
|------|---|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|--|
|      | Р   |       |       |       |       |       |       |       |       |        |  |  |
| N    | .1 .2 .3 .4 .5 .6 .7 .8 .9                      |       |       |       |       |       |       |       |       |        |  |  |
| 4    | -0.30   | -0.04 | -0.13 | -0.12 | 0.15  | 0.07  | 0.24  | -0.04 | -0.20 | -0.041 |  |  |
| 5    | -3.08   | 0.72  | -0.15 | -0.08 | 0.04  | 0.01  | 0.01  | -0.20 | 0.07  | -0.296 |  |  |
| 6    | 0.90  | 0.14  | 0.09  | -0.04 | -0.22 | -0.04 | -0.11 | 0.23  | -1.19 | -0.027 |  |  |
| 7    | 0.04  | 0.10  | 0.11  | 0.09  | 0.16  | -0.02 | -0.00 | 0.01  | 0.12  | 0.069  |  |  |
| 8    | -0.04   | -0.09 | 0.05  | 0.17  | 0.10  | 0.02  | -0.13 | 0.09  | -0.23 | -0.007 |  |  |
| 9    | 0.06  | -0.04 | 0.22  | -0.28 | 0.11  | -0.06 | 0.01  | 0.05  | -0.05 | 0.001  |  |  |
| 10   | 0.12  | -0.04 | 0.03  | -0.22 | 0.27  | -0.15 | 0.11  | -0.05 | -0.06 | 0.000  |  |  |
| Mean | -0.33   | 0.11  | 0.03  | -0.07 | 0.09  | -0.02 | 0.02  | 0.01  | -0.22 | -0.04  |  |  |

|   |     | Score Repo | ort For I | OSVV on . | Algorithm Ver | rification |           |
|---|-----|------------|-----------|-----------|---------------|------------|-----------|
| N | P   | Pooled SD  | Ideal     | Gilbert   | Verification  | Score      | Norm Diff |
|   | 0.1 | 0.0008     | 0.046     | 0.049     | 0.050         | -0.167     | 1.222     |
|   | 0.2 | 0.0010     | 0.079     | 0.073     | 0.072         | -0.346     | 1.164     |
|   | 0.3 | 0.0011     | 0.108     | 0.081     | 0.082         | 0.045      | 0.970     |
|   | 0.4 | 0.0012     | 0.126     | 0.084     | 0.083         | -0.127     | 1.027     |
| 4 | 0.5 | 0.0010     | 0.132     | 0.082     | 0.083         | 0.059      | 0.985     |
|   | 0.6 | 0.0011     | 0.127     | 0.082     | 0.082         | 0.133      | 0.994     |
|   | 0.7 | 0.0010     | 0.108     | 0.081     | 0.081         | -0.026     | 1.027     |
|   | 0.8 | 0.0010     | 0.080     | 0.073     | 0.073         | 0.234      | 1.046     |
|   | 0.9 | 0.0008     | 0.046     | 0.048     | 0.049         | -0.499     | 1.410     |
|   | 0.1 | 0.0016     | 0.082     | 0.071     | 0.076         | 0.475      | 0.572     |
|   | 0.2 | 0.0019     | 0.165     | 0.121     | 0.123         | -0.045     | 0.958     |
|   | 0.3 | 0.0021     | 0.221     | 0.150     | 0.150         | 0.056      | 0.994     |
|   | 0.4 | 0.0023     | 0.253     | 0.161     | 0.165         | 0.105      | 0.965     |
| 5 | 0.5 | 0.0016     | 0.256     | 0.170     | 0.170         | 0.092      | 0.999     |
|   | 0.6 | 0.0021     | 0.250     | 0.167     | 0.164         | 0.050      | 1.032     |

|   | Score Report For DSVV on Algorithm Verification |           |       |         |              |        |           |  |  |  |  |  |
|---|---|-----------|-------|---------|--------------|--------|-----------|--|--|--|--|--|
| N | P   | Pooled SD | Ideal | Gilbert | Verification | Score  | Norm Diff |  |  |  |  |  |
|   | 0.7   | 0.0027    | 0.221 | 0.148   | 0.149        | 0.095  | 0.981     |  |  |  |  |  |
|   | 0.8   | 0.0021    | 0.163 | 0.122   | 0.120        | -0.072 | 1.036     |  |  |  |  |  |
|   | 0.9   | 0.0016    | 0.081 | 0.073   | 0.073        | -0.083 | 1.126     |  |  |  |  |  |
|   | 0.1   | 0.0023    | 0.127 | 0.098   | 0.095        | -0.113 | 1.116     |  |  |  |  |  |
|   | 0.2   | 0.0032    | 0.268 | 0.172   | 0.168        | 0.088  | 1.038     |  |  |  |  |  |
|   | 0.3   | 0.0049    | 0.360 | 0.220   | 0.227        | 0.013  | 0.953     |  |  |  |  |  |
|   | 0.4   | 0.0035    | 0.411 | 0.259   | 0.258        | 0.095  | 1.007     |  |  |  |  |  |
| 6 | 0.5   | 0.0053    | 0.416 | 0.271   | 0.264        | -0.124 | 1.055     |  |  |  |  |  |
|   | 0.6   | 0.0041    | 0.413 | 0.260   | 0.256        | 0.030  | 1.024     |  |  |  |  |  |
|   | 0.7   | 0.0042    | 0.363 | 0.219   | 0.223        | 0.053  | 0.971     |  |  |  |  |  |
|   | 0.8   | 0.0030    | 0.264 | 0.166   | 0.170        | 0.020  | 0.956     |  |  |  |  |  |
|   | 0.9   | 0.0019    | 0.121 | 0.097   | 0.097        | 0.158  | 0.962     |  |  |  |  |  |
|   | 0.1   | 0.0034    | 0.179 | 0.116   | 0.114        | -0.059 | 1.025     |  |  |  |  |  |
|   | 0.2   | 0.0054    | 0.362 | 0.225   | 0.222        | -0.060 | 1.024     |  |  |  |  |  |
|   | 0.3   | 0.0052    | 0.483 | 0.303   | 0.305        | 0.035  | 0.990     |  |  |  |  |  |
|   | 0.4   | 0.0058    | 0.524 | 0.351   | 0.351        | 0.012  | 1.001     |  |  |  |  |  |
| 7 | 0.5   | 0.0051    | 0.549 | 0.375   | 0.376        | 0.024  | 0.994     |  |  |  |  |  |
|   | 0.6   | 0.0055    | 0.526 | 0.351   | 0.355        | 0.086  | 0.981     |  |  |  |  |  |
|   | 0.7   | 0.0058    | 0.480 | 0.302   | 0.308        | 0.090  | 0.967     |  |  |  |  |  |
|   | 0.8   | 0.0052    | 0.361 | 0.225   | 0.222        | 0.026  | 1.021     |  |  |  |  |  |
|   | 0.9   | 0.0030    | 0.168 | 0.115   | 0.117        | 0.147  | 0.964     |  |  |  |  |  |
|   | 0.1   | 0.0036    | 0.227 | 0.137   | 0.136        | 0.007  | 1.007     |  |  |  |  |  |
|   | 0.2   | 0.0057    | 0.454 | 0.271   | 0.274        | -0.042 | 0.984     |  |  |  |  |  |
|   | 0.3   | 0.0090    | 0.574 | 0.380   | 0.382        | 0.026  | 0.993     |  |  |  |  |  |
|   | 0.4   | 0.0078    | 0.630 | 0.450   | 0.459        | 0.136  | 0.948     |  |  |  |  |  |
| 8 | 0.5   | 0.0097    | 0.630 | 0.474   | 0.483        | -0.032 | 0.944     |  |  |  |  |  |
|   | 0.6   | 0.0074    | 0.616 | 0.451   | 0.462        | 0.197  | 0.937     |  |  |  |  |  |
|   | 0.7   | 0.0064    | 0.572 | 0.384   | 0.391        | 0.131  | 0.964     |  |  |  |  |  |
|   | 0.8   | 0.0050    | 0.452 | 0.270   | 0.272        | 0.053  | 0.990     |  |  |  |  |  |
|   | 0.9   | 0.0034    | 0.229 | 0.136   | 0.138        | -0.016 | 0.976     |  |  |  |  |  |
|   | 0.1   | 0.0039    | 0.286 | 0.151   | 0.154        | 0.046  | 0.982     |  |  |  |  |  |
|   | 0.2   | 0.0078    | 0.513 | 0.326   | 0.318        | -0.063 | 1.045     |  |  |  |  |  |
|   | 0.3   | 0.0077    | 0.625 | 0.478   | 0.470        | 0.043  | 1.054     |  |  |  |  |  |
|   | 0.4   | 0.0103    | 0.676 | 0.561   | 0.561        | -0.033 | 1.004     |  |  |  |  |  |
| 9 | 0.5   | 0.0115    | 0.708 | 0.594   | 0.600        | 0.063  | 0.948     |  |  |  |  |  |
|   | 0.6   | 0.0092    | 0.690 | 0.563   | 0.552        | 0.187  | 1.087     |  |  |  |  |  |
|   | 0.7   | 0.0083    | 0.641 | 0.462   | 0.466        | 0.063  | 0.977     |  |  |  |  |  |
|   | 0.8   | 0.0068    | 0.520 | 0.325   | 0.319        | 0.026  | 1.028     |  |  |  |  |  |
|   | 0.9   | 0.0039    | 0.279 | 0.156   | 0.156        | -0.014 | 1.000     |  |  |  |  |  |
|   | 0.1   | 0.0042    | 0.346 | 0.173   | 0.175        | 0.070  | 0.988     |  |  |  |  |  |
|   | 0.2   | 0.0072    | 0.553 | 0.374   | 0.368        | -0.036 | 1.031     |  |  |  |  |  |

10 19

|   | Score Report For DSVV on Algorithm Verification |           |       |         |              |        |           |  |  |  |  |  |
|---|---|-----------|-------|---------|--------------|--------|-----------|--|--|--|--|--|
| N | P   | Pooled SD | Ideal | Gilbert | Verification | Score  | Norm Diff |  |  |  |  |  |
|   | 0.3   | 0.0087    | 0.690 | 0.535   | 0.550        | 0.041  | 0.902     |  |  |  |  |  |
|   | 0.4   | 0.0104    | 0.777 | 0.677   | 0.662        | -0.009 | 1.155     |  |  |  |  |  |
|   | 0.5   | 0.0112    | 0.804 | 0.715   | 0.708        | -0.057 | 1.079     |  |  |  |  |  |
|   | 0.6   | 0.0104    | 0.767 | 0.677   | 0.664        | 0.025  | 1.150     |  |  |  |  |  |
|   | 0.7   | 0.0088    | 0.679 | 0.539   | 0.552        | 0.137  | 0.911     |  |  |  |  |  |
|   | 0.8   | 0.0092    | 0.568 | 0.374   | 0.372        | -0.027 | 1.012     |  |  |  |  |  |
|   | 0.9   | 0.0046    | 0.332 | 0.180   | 0.176        | -0.168 | 1.029     |  |  |  |  |  |

|      | Score Report For DSVV on Algorithm Verification |       |      |       |       |      |       |       |       |        |  |  |
|------|---|-------|------|-------|-------|------|-------|-------|-------|--------|--|--|
|      | P   |       |      |       |       |      |       |       |       |        |  |  |
| N    | .1  | .2    | .3   | .4    | .5    | .6   | .7    | .8    | .9    | Mean   |  |  |
| 4    | -0.17   | -0.35 | 0.05 | -0.13 | 0.06  | 0.13 | -0.03 | 0.23  | -0.50 | -0.077 |  |  |
| 5    | 0.47  | -0.04 | 0.06 | 0.10  | 0.09  | 0.05 | 0.10  | -0.07 | -0.08 | 0.075  |  |  |
| 6    | -0.11   | 0.09  | 0.01 | 0.09  | -0.12 | 0.03 | 0.05  | 0.02  | 0.16  | 0.024  |  |  |
| 7    | -0.06   | -0.06 | 0.03 | 0.01  | 0.02  | 0.09 | 0.09  | 0.03  | 0.15  | 0.033  |  |  |
| 8    | 0.01  | -0.04 | 0.03 | 0.14  | -0.03 | 0.20 | 0.13  | 0.05  | -0.02 | 0.051  |  |  |
| 9    | 0.05  | -0.06 | 0.04 | -0.03 | 0.06  | 0.19 | 0.06  | 0.03  | -0.01 | 0.035  |  |  |
| 10   | 0.07  | -0.04 | 0.04 | -0.01 | -0.06 | 0.02 | 0.14  | -0.03 | -0.17 | -0.003 |  |  |
| Mean | 0.04  | -0.07 | 0.04 | 0.03  | 0.00  | 0.10 | 0.08  | 0.04  | -0.07 | 0.02   |  |  |

|   |     | Score Repo | ort For A | ADSR on | Algorithm Ver | rification |           |
|---|-----|------------|-----------|---------|---------------|------------|-----------|
| N | P   | Pooled SD  | Ideal     | Gilbert | Verification  | Score      | Norm Diff |
|   | 0.1 | 0.0055     | 0.481     | 0.526   | 0.540         | -0.246     | 1.316     |
|   | 0.2 | 0.0072     | 0.793     | 0.931   | 0.931         | -0.049     | 0.995     |
|   | 0.3 | 0.0082     | 1.001     | 1.188   | 1.190         | -0.098     | 1.012     |
|   | 0.4 | 0.0072     | 1.135     | 1.325   | 1.328         | -0.112     | 1.015     |
| 4 | 0.5 | 0.0062     | 1.178     | 1.383   | 1.379         | 0.161      | 0.980     |
|   | 0.6 | 0.0080     | 1.125     | 1.335   | 1.332         | 0.086      | 0.985     |
|   | 0.7 | 0.0076     | 1.004     | 1.187   | 1.180         | 0.186      | 0.966     |
|   | 0.8 | 0.0078     | 0.797     | 0.929   | 0.924         | -0.085     | 0.966     |
|   | 0.9 | 0.0071     | 0.484     | 0.533   | 0.532         | -0.174     | 0.977     |
|   | 0.1 | 0.0078     | 0.822     | 0.833   | 0.850         | -0.853     | 2.511     |
|   | 0.2 | 0.0067     | 1.369     | 1.390   | 1.407         | -0.673     | 1.797     |
|   | 0.3 | 0.0072     | 1.702     | 1.731   | 1.726         | 0.159      | 0.841     |
|   | 0.4 | 0.0096     | 1.885     | 1.904   | 1.900         | 0.205      | 0.776     |
| 5 | 0.5 | 0.0082     | 1.937     | 1.947   | 1.952         | -0.426     | 1.595     |
|   | 0.6 | 0.0065     | 1.871     | 1.900   | 1.895         | 0.247      | 0.826     |
|   | 0.7 | 0.0075     | 1.704     | 1.733   | 1.730         | 0.120      | 0.891     |
|   | 0.8 | 0.0085     | 1.354     | 1.407   | 1.405         | -0.147     | 0.977     |
|   | 0.9 | 0.0074     | 0.826     | 0.846   | 0.845         | -0.001     | 0.928     |

|    |                 | Score Repo | ort For A | ADSR on | Algorithm Ver | rification |           |
|----|-----------------|------------|-----------|---------|---------------|------------|-----------|
| N  | P               | Pooled SD  | Ideal     | Gilbert | Verification  | Score      | Norm Diff |
|    | 0.1             | 0.0084     | 1.096     | 1.158   | 1.158         | 0.029      | 0.990     |
|    | 0.2             | 0.0076     | 1.760     | 1.833   | 1.831         | 0.167      | 0.964     |
|    | 0.3             | 0.0089     | 2.154     | 2.208   | 2.216         | -0.183     | 1.145     |
|    | 0.4             | 0.0089     | 2.377     | 2.408   | 2.410         | -0.029     | 1.040     |
| 6  | 0.5             | 0.0080     | 2.435     | 2.477   | 2.469         | 0.174      | 0.807     |
|    | 0.6             | 0.0086     | 2.373     | 2.411   | 2.402         | 0.291      | 0.765     |
|    | 0.7             | 0.0090     | 2.130     | 2.212   | 2.210         | -0.116     | 0.979     |
|    | 0.8             | 0.0083     | 1.732     | 1.826   | 1.835         | -0.221     | 1.105     |
|    | 0.9             | 0.0084     | 1.102     | 1.150   | 1.162         | -0.294     | 1.274     |
|    | 0.1             | 0.0075     | 1.467     | 1.447   | 1.454         | 0.273      | 0.675     |
|    | 0.2             | 0.0063     | 2.277     | 2.236   | 2.235         | 0.158      | 1.038     |
|    | 0.3             | 0.0082     | 2.727     | 2.658   | 2.666         | 0.153      | 0.879     |
|    | 0.4             | 0.0097     | 2.949     | 2.871   | 2.889         | 0.312      | 0.761     |
| 7  | 0.5             | 0.0090     | 3.034     | 2.948   | 2.958         | 0.312      | 0.878     |
|    | 0.6             | 0.0092     | 2.952     | 2.883   | 2.872         | -0.067     | 1.157     |
|    | 0.7             | 0.0078     | 2.714     | 2.666   | 2.674         | 0.185      | 0.833     |
|    | 0.8             | 0.0076     | 2.263     | 2.245   | 2.231         | -0.521     | 1.749     |
|    | 0.9             | 0.0076     | 1.467     | 1.453   | 1.457         | 0.325      | 0.769     |
|    | 0.1             | 0.0111     | 1.768     | 1.735   | 1.735         | -0.100     | 0.994     |
|    | 0.2             | 0.0079     | 2.661     | 2.622   | 2.618         | -0.193     | 1.082     |
|    | 0.3             | 0.0108     | 3.161     | 3.079   | 3.093         | 0.150      | 0.834     |
|    | 0.4             | 0.0093     | 3.417     | 3.345   | 3.334         | 0.008      | 1.150     |
| 8  | 0.5             | 0.0089     | 3.492     | 3.414   | 3.420         | 0.186      | 0.921     |
|    | 0.6             | 0.0093     | 3.399     | 3.338   | 3.330         | -0.174     | 1.137     |
|    | 0.7             | 0.0103     | 3.163     | 3.092   | 3.088         | -0.242     | 1.054     |
|    | 0.8             | 0.0105     | 2.668     | 2.611   | 2.616         | 0.146      | 0.915     |
|    | 0.9             | 0.0102     | 1.763     | 1.745   | 1.743         | -0.308     | 1.091     |
|    | 0.1             | 0.0091     | 2.130     | 2.010   | 2.002         | 0.003      | 1.067     |
|    | 0.2             | 0.0092     | 3.094     | 2.967   | 2.962         | -0.018     | 1.036     |
|    | 0.3             | 0.0074     | 3.608     | 3.486   | 3.502         | 0.267      | 0.870     |
|    | 0.4             | 0.0115     | 3.869     | 3.778   | 3.758         | -0.211     | 1.222     |
| 9  | $\mid 0.5 \mid$ | 0.0114     | 3.906     | 3.860   | 3.856         | 0.028      | 1.085     |
|    | 0.6             | 0.0083     | 3.852     | 3.769   | 3.760         | -0.041     | 1.108     |
|    | 0.7             | 0.0117     | 3.610     | 3.488   | 3.506         | 0.103      | 0.852     |
|    | 0.8             | 0.0105     | 3.103     | 2.966   | 2.974         | 0.065      | 0.948     |
|    | 0.9             | 0.0092     | 2.133     | 2.002   | 2.004         | -0.133     | 0.991     |
|    | 0.1             | 0.0073     | 2.452     | 2.255   | 2.260         | 0.056      | 0.973     |
|    | 0.2             | 0.0099     | 3.492     | 3.315   | 3.314         | -0.014     | 1.003     |
|    | 0.3             | 0.0102     | 3.994     | 3.872   | 3.887         | 0.174      | 0.881     |
|    | 0.4             | 0.0110     | 4.249     | 4.181   | 4.182         | -0.179     | 0.980     |
| 10 | $\mid 0.5 \mid$ | 0.0102     | 4.313     | 4.274   | 4.272         | 0.084      | 1.044     |

|   |     | Score Repo   | ort For A | ADSR on | Algorithm Ver | rification |       |  |  |  |  |  |
|---|-----|--|-----------|---------|---------------|------------|-------|--|--|--|--|--|
| N | P   | P   Pooled SD   Ideal   Gilbert   Verification   Score   Norm Diff |           |         |               |            |       |  |  |  |  |  |
|   | 0.6 | 0.0108   | 4.261     | 4.185   | 4.169         | -0.435     | 1.208 |  |  |  |  |  |
|   | 0.7 | 0.0110   | 3.998     | 3.880   | 3.883         | 0.082      | 0.974 |  |  |  |  |  |
|   | 0.8 | 0.0089   | 3.494     | 3.306   | 3.308         | -0.025     | 0.993 |  |  |  |  |  |
|   | 0.9 | 0.0116   | 2.428     | 2.262   | 2.264         | -0.022     | 0.986 |  |  |  |  |  |

|      | Score Report For ADSR on Algorithm Verification |       |       |       |       |       |       |       |       |        |  |
|------|---|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
|      | P   |       |       |       |       |       |       |       |       |        |  |
| N    | .1  | .2    | .3    | .4    | .5    | .6    | .7    | .8    | .9    | Mean   |  |
| 4    | -0.25   | -0.05 | -0.10 | -0.11 | 0.16  | 0.09  | 0.19  | -0.09 | -0.17 | -0.037 |  |
| 5    | -0.85   | -0.67 | 0.16  | 0.21  | -0.43 | 0.25  | 0.12  | -0.15 | -0.00 | -0.152 |  |
| 6    | 0.03  | 0.17  | -0.18 | -0.03 | 0.17  | 0.29  | -0.12 | -0.22 | -0.29 | -0.020 |  |
| 7    | 0.27  | 0.16  | 0.15  | 0.31  | 0.31  | -0.07 | 0.19  | -0.52 | 0.32  | 0.126  |  |
| 8    | -0.10   | -0.19 | 0.15  | 0.01  | 0.19  | -0.17 | -0.24 | 0.15  | -0.31 | -0.059 |  |
| 9    | 0.00  | -0.02 | 0.27  | -0.21 | 0.03  | -0.04 | 0.10  | 0.07  | -0.13 | 0.007  |  |
| 10   | 0.06  | -0.01 | 0.17  | -0.18 | 0.08  | -0.44 | 0.08  | -0.03 | -0.02 | -0.031 |  |
| Mean | -0.12   | -0.09 | 0.09  | -0.00 | 0.07  | -0.01 | 0.05  | -0.11 | -0.09 | -0.02  |  |

|   |     | Score Repo | rt For F | PQRA on | Algorithm Ver | rification |           |
|---|-----|------------|----------|---------|---------------|------------|-----------|
| N | P   | Pooled SD  | Ideal    | Gilbert | Verification  | Score      | Norm Diff |
|   | 0.1 | 0.0025     | 0.937    | 0.916   | 0.913         | -0.060     | 1.143     |
|   | 0.2 | 0.0040     | 0.817    | 0.756   | 0.759         | -0.181     | 0.950     |
|   | 0.3 | 0.0051     | 0.685    | 0.616   | 0.615         | -0.180     | 1.022     |
|   | 0.4 | 0.0048     | 0.591    | 0.532   | 0.533         | -0.100     | 0.983     |
| 4 | 0.5 | 0.0046     | 0.555    | 0.494   | 0.498         | 0.316      | 0.940     |
|   | 0.6 | 0.0056     | 0.595    | 0.527   | 0.529         | -0.003     | 0.976     |
|   | 0.7 | 0.0051     | 0.687    | 0.618   | 0.622         | 0.189      | 0.935     |
|   | 0.8 | 0.0040     | 0.812    | 0.755   | 0.759         | 0.081      | 0.935     |
|   | 0.9 | 0.0027     | 0.938    | 0.918   | 0.915         | -0.297     | 1.137     |
|   | 0.1 | 0.0036     | 0.851    | 0.825   | 0.817         | -0.217     | 1.302     |
|   | 0.2 | 0.0045     | 0.615    | 0.565   | 0.555         | -0.361     | 1.204     |
|   | 0.3 | 0.0053     | 0.432    | 0.379   | 0.386         | 0.116      | 0.865     |
|   | 0.4 | 0.0051     | 0.329    | 0.281   | 0.284         | 0.057      | 0.938     |
| 5 | 0.5 | 0.0051     | 0.302    | 0.264   | 0.259         | -0.163     | 1.139     |
|   | 0.6 | 0.0042     | 0.336    | 0.288   | 0.290         | -0.045     | 0.953     |
|   | 0.7 | 0.0044     | 0.434    | 0.377   | 0.381         | 0.060      | 0.937     |
|   | 0.8 | 0.0055     | 0.618    | 0.558   | 0.557         | -0.170     | 1.020     |
|   | 0.9 | 0.0040     | 0.847    | 0.820   | 0.821         | -0.099     | 0.993     |
|   | 0.1 | 0.0050     | 0.720    | 0.674   | 0.678         | 0.039      | 0.904     |
|   | 0.2 | 0.0040     | 0.395    | 0.333   | 0.330         | -0.022     | 1.046     |
|   | 0.3 | 0.0039     | 0.240    | 0.174   | 0.173         | 0.042      | 1.017     |

|    | Score Report For PQRA on Algorithm Verification |           |       |         |              |        |           |  |  |  |  |  |
|----|---|-----------|-------|---------|--------------|--------|-----------|--|--|--|--|--|
| N  | P   | Pooled SD | Ideal | Gilbert | Verification | Score  | Norm Diff |  |  |  |  |  |
|    | 0.4   | 0.0030    | 0.176 | 0.120   | 0.116        | -0.025 | 1.068     |  |  |  |  |  |
|    | 0.5   | 0.0033    | 0.159 | 0.103   | 0.104        | -0.056 | 0.983     |  |  |  |  |  |
|    | 0.6   | 0.0039    | 0.178 | 0.119   | 0.117        | -0.067 | 1.020     |  |  |  |  |  |
|    | 0.7   | 0.0039    | 0.248 | 0.172   | 0.172        | -0.190 | 1.005     |  |  |  |  |  |
|    | 0.8   | 0.0042    | 0.408 | 0.332   | 0.329        | -0.069 | 1.039     |  |  |  |  |  |
|    | 0.9   | 0.0045    | 0.717 | 0.678   | 0.672        | -0.224 | 1.168     |  |  |  |  |  |
|    | 0.1   | 0.0039    | 0.559 | 0.534   | 0.533        | 0.230  | 1.063     |  |  |  |  |  |
|    | 0.2   | 0.0036    | 0.221 | 0.183   | 0.178        | -0.052 | 1.112     |  |  |  |  |  |
|    | 0.3   | 0.0027    | 0.104 | 0.074   | 0.073        | -0.074 | 1.028     |  |  |  |  |  |
|    | 0.4   | 0.0026    | 0.069 | 0.047   | 0.046        | -0.052 | 1.067     |  |  |  |  |  |
| 7  | 0.5   | 0.0020    | 0.059 | 0.041   | 0.040        | -0.014 | 1.061     |  |  |  |  |  |
|    | 0.6   | 0.0026    | 0.068 | 0.044   | 0.049        | 0.189  | 0.826     |  |  |  |  |  |
|    | 0.7   | 0.0026    | 0.107 | 0.075   | 0.072        | -0.011 | 1.115     |  |  |  |  |  |
|    | 0.8   | 0.0039    | 0.223 | 0.178   | 0.183        | 0.141  | 0.889     |  |  |  |  |  |
|    | 0.9   | 0.0046    | 0.557 | 0.534   | 0.533        | -0.099 | 1.079     |  |  |  |  |  |
|    | 0.1   | 0.0061    | 0.409 | 0.392   | 0.389        | -0.335 | 1.196     |  |  |  |  |  |
|    | 0.2   | 0.0028    | 0.117 | 0.079   | 0.081        | 0.009  | 0.940     |  |  |  |  |  |
|    | 0.3   | 0.0016    | 0.045 | 0.028   | 0.028        | -0.048 | 0.994     |  |  |  |  |  |
|    | 0.4   | 0.0014    | 0.025 | 0.017   | 0.015        | -0.178 | 1.169     |  |  |  |  |  |
| 8  | 0.5   | 0.0013    | 0.022 | 0.013   | 0.014        | 0.069  | 0.860     |  |  |  |  |  |
|    | 0.6   | 0.0012    | 0.028 | 0.016   | 0.016        | 0.047  | 0.975     |  |  |  |  |  |
|    | 0.7   | 0.0017    | 0.044 | 0.027   | 0.029        | 0.148  | 0.883     |  |  |  |  |  |
|    | 0.8   | 0.0032    | 0.116 | 0.080   | 0.081        | -0.022 | 0.968     |  |  |  |  |  |
|    | 0.9   | 0.0054    | 0.412 | 0.385   | 0.387        | -0.120 | 0.921     |  |  |  |  |  |
|    | 0.1   | 0.0041    | 0.272 | 0.260   | 0.268        | 1.179  | 0.331     |  |  |  |  |  |
|    | 0.2   | 0.0023    | 0.053 | 0.037   | 0.037        | -0.136 | 1.039     |  |  |  |  |  |
|    | 0.3   | 0.0010    | 0.016 | 0.011   | 0.008        | -0.492 | 1.385     |  |  |  |  |  |
|    | 0.4   | 0.0008    | 0.007 | 0.005   | 0.005        | -0.206 | 1.105     |  |  |  |  |  |
| 9  | 0.5   | 0.0007    | 0.007 | 0.004   | 0.005        | 0.282  | 0.776     |  |  |  |  |  |
|    | 0.6   | 0.0008    | 0.008 | 0.006   | 0.005        | -0.315 | 1.290     |  |  |  |  |  |
|    | 0.7   | 0.0010    | 0.017 | 0.010   | 0.010        | 0.066  | 1.024     |  |  |  |  |  |
|    | 0.8   | 0.0021    | 0.056 | 0.036   | 0.032        | -0.297 | 1.203     |  |  |  |  |  |
|    | 0.9   | 0.0044    | 0.273 | 0.268   | 0.270        | 0.472  | 0.556     |  |  |  |  |  |
|    | 0.1   | 0.0034    | 0.172 | 0.173   | 0.171        | -2.089 | -7.714    |  |  |  |  |  |
|    | 0.2   | 0.0013    | 0.021 | 0.015   | 0.013        | -0.244 | 1.303     |  |  |  |  |  |
|    | 0.3   | 0.0007    | 0.005 | 0.004   | 0.004        | 0.155  | 1.000     |  |  |  |  |  |
|    | 0.4   | 0.0004    | 0.003 | 0.001   | 0.002        | 0.834  | 0.488     |  |  |  |  |  |
| 10 | 0.5   | 0.0004    | 0.001 | 0.001   | 0.001        | -1.461 | -4.000    |  |  |  |  |  |
|    | 0.6   | 0.0004    | 0.002 | 0.002   | 0.002        | -0.981 | 2.600     |  |  |  |  |  |
|    | 0.7   | 0.0007    | 0.005 | 0.004   | 0.004        | -0.043 | 1.026     |  |  |  |  |  |
|    | 0.8   | 0.0012    | 0.022 | 0.012   | 0.013        | 0.069  | 0.917     |  |  |  |  |  |

|   | Score Report For PQRA on Algorithm Verification          |  |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|--|--|
| N | N P Pooled SD Ideal Gilbert Verification Score Norm Diff |  |  |  |  |  |  |  |  |  |  |
|   | 0.9 0.0043 0.175 0.170 0.169 -0.198 1.236                |  |  |  |  |  |  |  |  |  |  |

|      | Score Report For PQRA on Algorithm Verification |       |       |       |       |       |       |       |       |        |  |
|------|---|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
|      | P   |       |       |       |       |       |       |       |       |        |  |
| N    | .1  | .2    | .3    | .4    | .5    | .6    | .7    | .8    | .9    | Mean   |  |
| 4    | -0.06   | -0.18 | -0.18 | -0.10 | 0.32  | -0.00 | 0.19  | 0.08  | -0.30 | -0.026 |  |
| 5    | -0.22   | -0.36 | 0.12  | 0.06  | -0.16 | -0.05 | 0.06  | -0.17 | -0.10 | -0.091 |  |
| 6    | 0.04  | -0.02 | 0.04  | -0.02 | -0.06 | -0.07 | -0.19 | -0.07 | -0.22 | -0.064 |  |
| 7    | 0.23  | -0.05 | -0.07 | -0.05 | -0.01 | 0.19  | -0.01 | 0.14  | -0.10 | 0.029  |  |
| 8    | -0.33   | 0.01  | -0.05 | -0.18 | 0.07  | 0.05  | 0.15  | -0.02 | -0.12 | -0.048 |  |
| 9    | 1.18  | -0.14 | -0.49 | -0.21 | 0.28  | -0.31 | 0.07  | -0.30 | 0.47  | 0.061  |  |
| 10   | -2.09   | -0.24 | 0.15  | 0.83  | -1.46 | -0.98 | -0.04 | 0.07  | -0.20 | -0.440 |  |
| Mean | -0.18   | -0.14 | -0.07 | 0.05  | -0.15 | -0.17 | 0.03  | -0.04 | -0.08 | -0.08  |  |

|   |     | Score Repo | ort For F | PQRB on | Algorithm Ver | rification |           |
|---|-----|------------|-----------|---------|---------------|------------|-----------|
| N | P   | Pooled SD  | Ideal     | Gilbert | Verification  | Score      | Norm Diff |
|   | 0.1 | 0.0000     | 1.000     | 1.000   | 1.000         | 0.000      | NaN       |
|   | 0.2 | 0.0000     | 1.000     | 1.000   | 1.000         | 0.000      | NaN       |
|   | 0.3 | 0.0000     | 1.000     | 1.000   | 1.000         | 0.000      | NaN       |
|   | 0.4 | 0.0000     | 1.000     | 1.000   | 1.000         | 0.000      | NaN       |
| 4 | 0.5 | 0.0000     | 1.000     | 1.000   | 1.000         | 0.000      | NaN       |
|   | 0.6 | 0.0000     | 1.000     | 1.000   | 1.000         | 0.000      | NaN       |
|   | 0.7 | 0.0000     | 1.000     | 1.000   | 1.000         | 0.000      | NaN       |
|   | 0.8 | 0.0000     | 1.000     | 1.000   | 1.000         | 0.000      | NaN       |
|   | 0.9 | 0.0000     | 1.000     | 1.000   | 1.000         | 0.000      | NaN       |
|   | 0.1 | 0.0013     | 0.980     | 0.989   | 0.985         | 0.559      | 0.533     |
|   | 0.2 | 0.0024     | 0.908     | 0.933   | 0.929         | 0.199      | 0.859     |
|   | 0.3 | 0.0026     | 0.820     | 0.856   | 0.855         | 0.061      | 0.961     |
|   | 0.4 | 0.0054     | 0.746     | 0.799   | 0.800         | -0.105     | 1.023     |
| 5 | 0.5 | 0.0036     | 0.721     | 0.775   | 0.775         | 0.140      | 0.986     |
|   | 0.6 | 0.0039     | 0.752     | 0.793   | 0.798         | 0.105      | 1.125     |
|   | 0.7 | 0.0042     | 0.818     | 0.858   | 0.856         | 0.198      | 0.937     |
|   | 0.8 | 0.0026     | 0.914     | 0.929   | 0.930         | -0.093     | 1.079     |
|   | 0.9 | 0.0010     | 0.981     | 0.987   | 0.988         | -0.156     | 1.163     |
|   | 0.1 | 0.0019     | 0.953     | 0.958   | 0.960         | -0.261     | 1.391     |
|   | 0.2 | 0.0037     | 0.806     | 0.806   | 0.812         | -4.016     | -58.667   |
|   | 0.3 | 0.0048     | 0.653     | 0.651   | 0.647         | -1.112     | 3.000     |
|   | 0.4 | 0.0052     | 0.554     | 0.546   | 0.547         | 0.010      | 0.981     |
| 6 | 0.5 | 0.0044     | 0.528     | 0.511   | 0.514         | 0.221      | 0.842     |
|   | 0.6 | 0.0047     | 0.554     | 0.546   | 0.553         | 2.223      | 0.101     |

|    | Score Report For PQRB on Algorithm Verification  N P Pooled SD Ideal Gilbert Verification Score Norm Diff |           |       |         |              |        |           |  |  |  |  |
|----|---|-----------|-------|---------|--------------|--------|-----------|--|--|--|--|
| N  | Р   | Pooled SD | Ideal | Gilbert | Verification | Score  | Norm Diff |  |  |  |  |
|    | 0.7   | 0.0052    | 0.663 | 0.650   | 0.651        | -0.018 | 0.903     |  |  |  |  |
|    | 0.8   | 0.0040    | 0.810 | 0.813   | 0.810        | 1.263  | -0.247    |  |  |  |  |
|    | 0.9   | 0.0016    | 0.956 | 0.959   | 0.957        | 1.127  | 0.354     |  |  |  |  |
|    | 0.1   | 0.0028    | 0.890 | 0.915   | 0.912        | 0.056  | 0.876     |  |  |  |  |
|    | 0.2   | 0.0038    | 0.620 | 0.639   | 0.644        | -0.151 | 1.264     |  |  |  |  |
|    | 0.3   | 0.0044    | 0.419 | 0.438   | 0.432        | 0.309  | 0.717     |  |  |  |  |
|    | 0.4   | 0.0047    | 0.324 | 0.341   | 0.330        | 0.985  | 0.384     |  |  |  |  |
| 7  | 0.5   | 0.0045    | 0.297 | 0.309   | 0.303        | 0.945  | 0.479     |  |  |  |  |
|    | 0.6   | 0.0047    | 0.323 | 0.329   | 0.339        | -0.920 | 2.500     |  |  |  |  |
|    | 0.7   | 0.0044    | 0.422 | 0.433   | 0.429        | 0.273  | 0.673     |  |  |  |  |
|    | 0.8   | 0.0041    | 0.621 | 0.640   | 0.643        | -0.020 | 1.155     |  |  |  |  |
|    | 0.9   | 0.0033    | 0.888 | 0.910   | 0.910        | 0.115  | 0.988     |  |  |  |  |
|    | 0.1   | 0.0041    | 0.810 | 0.838   | 0.840        | -0.004 | 1.073     |  |  |  |  |
|    | 0.2   | 0.0042    | 0.462 | 0.461   | 0.465        | -1.190 | -3.034    |  |  |  |  |
|    | 0.3   | 0.0046    | 0.269 | 0.262   | 0.255        | -0.820 | 2.238     |  |  |  |  |
|    | 0.4   | 0.0040    | 0.188 | 0.180   | 0.185        | 1.196  | 0.332     |  |  |  |  |
| 8  | $\mid 0.5 \mid$   | 0.0035    | 0.164 | 0.160   | 0.163        | 1.728  | 0.171     |  |  |  |  |
|    | 0.6   | 0.0034    | 0.194 | 0.182   | 0.186        | 0.358  | 0.700     |  |  |  |  |
|    | 0.7   | 0.0041    | 0.266 | 0.262   | 0.263        | 0.030  | 0.833     |  |  |  |  |
|    | 0.8   | 0.0056    | 0.457 | 0.468   | 0.467        | 0.115  | 0.949     |  |  |  |  |
|    | 0.9   | 0.0036    | 0.808 | 0.837   | 0.836        | -0.152 | 0.954     |  |  |  |  |
|    | 0.1   | 0.0042    | 0.683 | 0.747   | 0.751        | -0.074 | 1.062     |  |  |  |  |
|    | 0.2   | 0.0046    | 0.295 | 0.310   | 0.310        | 0.213  | 0.974     |  |  |  |  |
|    | 0.3   | 0.0033    | 0.139 | 0.149   | 0.143        | 1.145  | 0.360     |  |  |  |  |
|    | 0.4   | 0.0027    | 0.088 | 0.093   | 0.094        | -0.004 | 1.207     |  |  |  |  |
| 9  | 0.5   | 0.0028    | 0.080 | 0.082   | 0.085        | -0.830 | 2.915     |  |  |  |  |
|    | 0.6   | 0.0029    | 0.091 | 0.093   | 0.093        | 0.040  | 1.016     |  |  |  |  |
|    | 0.7   | 0.0040    | 0.141 | 0.145   | 0.139        | 0.697  | -0.468    |  |  |  |  |
|    | 0.8   | 0.0040    | 0.290 | 0.312   | 0.306        | 0.290  | 0.703     |  |  |  |  |
|    | 0.9   | 0.0039    | 0.679 | 0.749   | 0.745        | -0.032 | 0.948     |  |  |  |  |
|    | 0.1   | 0.0037    | 0.556 | 0.643   | 0.641        | 0.049  | 0.981     |  |  |  |  |
|    | 0.2   | 0.0038    | 0.169 | 0.186   | 0.186        | 0.014  | 0.992     |  |  |  |  |
|    | 0.3   | 0.0022    | 0.071 | 0.074   | 0.072        | 3.277  | 0.046     |  |  |  |  |
|    | 0.4   | 0.0019    | 0.045 | 0.046   | 0.044        | -0.513 | -1.767    |  |  |  |  |
| 10 | 0.5   | 0.0020    | 0.037 | 0.038   | 0.038        | 0.269  | 0.917     |  |  |  |  |
|    | 0.6   | 0.0024    | 0.042 | 0.046   | 0.046        | -0.150 | 1.070     |  |  |  |  |
|    | 0.7   | 0.0026    | 0.070 | 0.075   | 0.072        | 1.170  | 0.348     |  |  |  |  |
|    | 0.8   | 0.0037    | 0.173 | 0.192   | 0.190        | 0.028  | 0.913     |  |  |  |  |
|    | 0.9   | 0.0061    | 0.562 | 0.638   | 0.639        | -0.033 | 1.009     |  |  |  |  |

|      |       | Score | e Report | For PQ | RB on A | Algorithr | n Verific | ation |       |        |  |
|------|-------|-------|----------|--------|---------|-----------|-----------|-------|-------|--------|--|
|      | P     |       |          |        |         |           |           |       |       |        |  |
| N    | .1    | .2    | .3       | .4     | .5      | .6        | .7        | .8    | .9    | Mean   |  |
| 4    | 0.00  | 0.00  | 0.00     | 0.00   | 0.00    | 0.00      | 0.00      | 0.00  | 0.00  | 0.000  |  |
| 5    | 0.56  | 0.20  | 0.06     | -0.10  | 0.14    | 0.10      | 0.20      | -0.09 | -0.16 | 0.101  |  |
| 6    | -0.26 | -4.02 | -1.11    | 0.01   | 0.22    | 2.22      | -0.02     | 1.26  | 1.13  | -0.063 |  |
| 7    | 0.06  | -0.15 | 0.31     | 0.98   | 0.95    | -0.92     | 0.27      | -0.02 | 0.12  | 0.177  |  |
| 8    | -0.00 | -1.19 | -0.82    | 1.20   | 1.73    | 0.36      | 0.03      | 0.12  | -0.15 | 0.140  |  |
| 9    | -0.07 | 0.21  | 1.15     | -0.00  | -0.83   | 0.04      | 0.70      | 0.29  | -0.03 | 0.161  |  |
| 10   | 0.05  | 0.01  | 3.28     | -0.51  | 0.27    | -0.15     | 1.17      | 0.03  | -0.03 | 0.457  |  |
| Mean | 0.05  | -0.70 | 0.41     | 0.22   | 0.35    | 0.24      | 0.34      | 0.23  | 0.12  | 0.14   |  |

|   |     | Score Repo | ort For F | PQRC on | Algorithm Ver | rification |           |
|---|-----|------------|-----------|---------|---------------|------------|-----------|
| N | Р   | Pooled SD  | Ideal     | Gilbert | Verification  | Score      | Norm Diff |
|   | 0.1 | 0.0000     | 1.000     | 1.000   | 1.000         | 0.000      | NaN       |
|   | 0.2 | 0.0000     | 1.000     | 1.000   | 1.000         | 0.000      | NaN       |
|   | 0.3 | 0.0000     | 1.000     | 1.000   | 1.000         | 0.000      | NaN       |
|   | 0.4 | 0.0000     | 1.000     | 1.000   | 1.000         | 0.000      | NaN       |
| 4 | 0.5 | 0.0000     | 1.000     | 1.000   | 1.000         | 0.000      | NaN       |
|   | 0.6 | 0.0000     | 1.000     | 1.000   | 1.000         | 0.000      | NaN       |
|   | 0.7 | 0.0000     | 1.000     | 1.000   | 1.000         | 0.000      | NaN       |
|   | 0.8 | 0.0000     | 1.000     | 1.000   | 1.000         | 0.000      | NaN       |
|   | 0.9 | 0.0000     | 1.000     | 1.000   | 1.000         | 0.000      | NaN       |
|   | 0.1 | 0.0013     | 0.980     | 0.989   | 0.985         | 0.559      | 0.533     |
|   | 0.2 | 0.0024     | 0.908     | 0.933   | 0.929         | 0.199      | 0.859     |
|   | 0.3 | 0.0026     | 0.820     | 0.856   | 0.855         | 0.061      | 0.961     |
|   | 0.4 | 0.0054     | 0.746     | 0.799   | 0.800         | -0.105     | 1.023     |
| 5 | 0.5 | 0.0036     | 0.721     | 0.775   | 0.775         | 0.140      | 0.986     |
|   | 0.6 | 0.0039     | 0.752     | 0.793   | 0.798         | 0.105      | 1.125     |
|   | 0.7 | 0.0042     | 0.818     | 0.858   | 0.856         | 0.198      | 0.937     |
|   | 0.8 | 0.0026     | 0.914     | 0.929   | 0.930         | -0.093     | 1.079     |
|   | 0.9 | 0.0010     | 0.981     | 0.987   | 0.988         | -0.156     | 1.163     |
|   | 0.1 | 0.0019     | 0.953     | 0.958   | 0.960         | -0.261     | 1.391     |
|   | 0.2 | 0.0037     | 0.806     | 0.806   | 0.812         | -4.016     | -58.667   |
|   | 0.3 | 0.0048     | 0.653     | 0.651   | 0.647         | -1.112     | 3.000     |
|   | 0.4 | 0.0052     | 0.554     | 0.546   | 0.547         | 0.010      | 0.981     |
| 6 | 0.5 | 0.0044     | 0.528     | 0.511   | 0.514         | 0.221      | 0.842     |
|   | 0.6 | 0.0047     | 0.554     | 0.546   | 0.553         | 2.223      | 0.101     |
|   | 0.7 | 0.0052     | 0.663     | 0.650   | 0.651         | -0.018     | 0.903     |
|   | 0.8 | 0.0040     | 0.810     | 0.813   | 0.810         | 1.263      | -0.247    |
|   | 0.9 | 0.0016     | 0.956     | 0.959   | 0.957         | 1.127      | 0.354     |
|   | 0.1 | 0.0028     | 0.890     | 0.915   | 0.912         | 0.056      | 0.876     |
|   | 0.2 | 0.0038     | 0.620     | 0.639   | 0.644         | -0.151     | 1.264     |

|    |     | Score Repo | ort For I | PQRC on | Algorithm Ver | rification |           |
|----|-----|------------|-----------|---------|---------------|------------|-----------|
| N  | Р   | Pooled SD  | Ideal     | Gilbert | Verification  | Score      | Norm Diff |
|    | 0.3 | 0.0044     | 0.419     | 0.438   | 0.432         | 0.309      | 0.717     |
|    | 0.4 | 0.0047     | 0.324     | 0.341   | 0.330         | 0.985      | 0.384     |
|    | 0.5 | 0.0045     | 0.297     | 0.309   | 0.303         | 0.945      | 0.479     |
|    | 0.6 | 0.0047     | 0.323     | 0.329   | 0.339         | -0.920     | 2.500     |
|    | 0.7 | 0.0044     | 0.422     | 0.433   | 0.429         | 0.273      | 0.673     |
|    | 0.8 | 0.0041     | 0.621     | 0.640   | 0.643         | -0.020     | 1.155     |
|    | 0.9 | 0.0033     | 0.888     | 0.910   | 0.910         | 0.115      | 0.988     |
|    | 0.1 | 0.0041     | 0.810     | 0.838   | 0.840         | -0.004     | 1.073     |
|    | 0.2 | 0.0042     | 0.462     | 0.461   | 0.465         | -1.190     | -3.034    |
|    | 0.3 | 0.0046     | 0.269     | 0.262   | 0.255         | -0.820     | 2.238     |
|    | 0.4 | 0.0040     | 0.188     | 0.180   | 0.185         | 1.196      | 0.332     |
| 8  | 0.5 | 0.0035     | 0.164     | 0.160   | 0.163         | 1.728      | 0.171     |
|    | 0.6 | 0.0034     | 0.194     | 0.182   | 0.186         | 0.358      | 0.700     |
|    | 0.7 | 0.0041     | 0.266     | 0.262   | 0.263         | 0.030      | 0.833     |
|    | 0.8 | 0.0056     | 0.457     | 0.468   | 0.467         | 0.115      | 0.949     |
|    | 0.9 | 0.0036     | 0.808     | 0.837   | 0.836         | -0.152     | 0.954     |
|    | 0.1 | 0.0023     | 0.913     | 0.964   | 0.961         | 0.048      | 0.940     |
|    | 0.2 | 0.0039     | 0.673     | 0.737   | 0.741         | -0.085     | 1.058     |
|    | 0.3 | 0.0048     | 0.468     | 0.519   | 0.515         | 0.058      | 0.927     |
|    | 0.4 | 0.0056     | 0.372     | 0.402   | 0.409         | -0.225     | 1.261     |
| 9  | 0.5 | 0.0048     | 0.359     | 0.367   | 0.368         | -0.043     | 1.224     |
|    | 0.6 | 0.0039     | 0.378     | 0.402   | 0.405         | -0.014     | 1.120     |
|    | 0.7 | 0.0058     | 0.472     | 0.520   | 0.513         | 0.132      | 0.870     |
|    | 0.8 | 0.0049     | 0.667     | 0.740   | 0.741         | -0.061     | 1.021     |
|    | 0.9 | 0.0020     | 0.915     | 0.962   | 0.961         | 0.013      | 0.994     |
|    | 0.1 | 0.0024     | 0.851     | 0.930   | 0.929         | 0.160      | 0.983     |
|    | 0.2 | 0.0047     | 0.521     | 0.600   | 0.601         | -0.040     | 1.011     |
|    | 0.3 | 0.0047     | 0.331     | 0.362   | 0.360         | 0.019      | 0.947     |
|    | 0.4 | 0.0040     | 0.245     | 0.264   | 0.262         | -0.107     | 0.899     |
| 10 | 0.5 | 0.0039     | 0.232     | 0.237   | 0.239         | -0.115     | 1.236     |
|    | 0.6 | 0.0040     | 0.242     | 0.263   | 0.267         | -0.439     | 1.206     |
|    | 0.7 | 0.0047     | 0.327     | 0.362   | 0.366         | -0.018     | 1.090     |
|    | 0.8 | 0.0045     | 0.521     | 0.605   | 0.604         | 0.067      | 0.989     |
|    | 0.9 | 0.0030     | 0.857     | 0.929   | 0.928         | -0.107     | 0.993     |

|   | Score Report For PQRC on Algorithm Verification |       |       |       |      |      |       |       |       |        |  |
|---|---|-------|-------|-------|------|------|-------|-------|-------|--------|--|
| P |   |       |       |       |      |      |       |       |       |        |  |
| N | .1  | .2    | .3    | .4    | .5   | .6   | .7    | .8    | .9    | Mean   |  |
| 4 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.000  |  |
| 5 | 0.56  | 0.20  | 0.06  | -0.10 | 0.14 | 0.10 | 0.20  | -0.09 | -0.16 | 0.101  |  |
| 6 | -0.26   | -4.02 | -1.11 | 0.01  | 0.22 | 2.22 | -0.02 | 1.26  | 1.13  | -0.063 |  |

|      |       | Score | e Report | For PQ | RC on $A$ | Algorithr | n Verific | ation |       |        |  |
|------|-------|-------|----------|--------|-----------|-----------|-----------|-------|-------|--------|--|
|      | P     |       |          |        |           |           |           |       |       |        |  |
| N    | .1    | .2    | .3       | .4     | .5        | .6        | .7        | .8    | .9    | Mean   |  |
| 7    | 0.06  | -0.15 | 0.31     | 0.98   | 0.95      | -0.92     | 0.27      | -0.02 | 0.12  | 0.177  |  |
| 8    | -0.00 | -1.19 | -0.82    | 1.20   | 1.73      | 0.36      | 0.03      | 0.12  | -0.15 | 0.140  |  |
| 9    | 0.05  | -0.08 | 0.06     | -0.23  | -0.04     | -0.01     | 0.13      | -0.06 | 0.01  | -0.020 |  |
| 10   | 0.16  | -0.04 | 0.02     | -0.11  | -0.12     | -0.44     | -0.02     | 0.07  | -0.11 | -0.064 |  |
| Mean | 0.08  | -0.75 | -0.21    | 0.25   | 0.41      | 0.19      | 0.09      | 0.18  | 0.12  | 0.04   |  |

|   |     | Score Repo | rt For O | DSPL on | Algorithm Ve | rification | ı         |
|---|-----|------------|----------|---------|--------------|------------|-----------|
| N | P   | Pooled SD  | Ideal    | Gilbert | Verification | Score      | Norm Diff |
|   | 0.1 | 0.0032     | 0.301    | 0.293   | 0.303        | 1.367      | -0.237    |
|   | 0.2 | 0.0049     | 0.598    | 0.600   | 0.602        | -0.713     | 1.683     |
|   | 0.3 | 0.0055     | 0.905    | 0.901   | 0.899        | -0.424     | 1.413     |
|   | 0.4 | 0.0058     | 1.202    | 1.199   | 1.204        | 0.808      | -0.461    |
| 4 | 0.5 | 0.0059     | 1.496    | 1.502   | 1.501        | 0.294      | 0.847     |
|   | 0.6 | 0.0058     | 1.799    | 1.798   | 1.804        | -1.117     | -3.353    |
|   | 0.7 | 0.0063     | 2.104    | 2.101   | 2.099        | -0.490     | 1.685     |
|   | 0.8 | 0.0051     | 2.400    | 2.401   | 2.398        | -0.662     | -1.623    |
|   | 0.9 | 0.0040     | 2.697    | 2.698   | 2.699        | -0.532     | 1.482     |
|   | 0.1 | 0.0039     | 0.400    | 0.395   | 0.400        | 3.520      | 0.033     |
|   | 0.2 | 0.0045     | 0.807    | 0.798   | 0.803        | 0.760      | 0.437     |
|   | 0.3 | 0.0056     | 1.201    | 1.201   | 1.199        | -1.548     | -5.409    |
|   | 0.4 | 0.0057     | 1.594    | 1.594   | 1.600        | -1.878     | -6.450    |
| 5 | 0.5 | 0.0046     | 1.994    | 2.004   | 1.999        | 0.767      | 0.513     |
|   | 0.6 | 0.0062     | 2.401    | 2.401   | 2.401        | 1.779      | 0.152     |
|   | 0.7 | 0.0051     | 2.796    | 2.795   | 2.800        | -0.950     | -2.269    |
|   | 0.8 | 0.0055     | 3.203    | 3.200   | 3.199        | -0.442     | 1.294     |
|   | 0.9 | 0.0037     | 3.595    | 3.599   | 3.602        | -0.468     | 1.510     |
|   | 0.1 | 0.0039     | 0.497    | 0.501   | 0.502        | -0.115     | 1.170     |
|   | 0.2 | 0.0053     | 1.008    | 0.998   | 0.999        | 0.260      | 0.852     |
|   | 0.3 | 0.0056     | 1.497    | 1.504   | 1.495        | 1.824      | -0.153    |
|   | 0.4 | 0.0056     | 2.001    | 2.000   | 2.004        | -1.100     | -3.315    |
| 6 | 0.5 | 0.0072     | 2.500    | 2.494   | 2.500        | 2.520      | 0.078     |
|   | 0.6 | 0.0048     | 2.996    | 2.996   | 3.000        | -1.297     | -4.213    |
|   | 0.7 | 0.0050     | 3.511    | 3.498   | 3.497        | -0.069     | 1.082     |
|   | 0.8 | 0.0051     | 4.005    | 4.007   | 3.999        | -1.087     | -2.763    |
|   | 0.9 | 0.0043     | 4.496    | 4.503   | 4.497        | 3.073      | 0.047     |
|   | 0.1 | 0.0037     | 0.605    | 0.598   | 0.601        | 0.309      | 0.660     |
|   | 0.2 | 0.0046     | 1.199    | 1.203   | 1.195        | -0.054     | -1.140    |
|   | 0.3 | 0.0049     | 1.808    | 1.791   | 1.798        | 0.580      | 0.593     |
|   | 0.4 | 0.0062     | 2.397    | 2.397   | 2.394        | -2.397     | -12.560   |
| 7 | 0.5 | 0.0068     | 3.005    | 3.003   | 2.999        | -1.404     | 3.418     |

|    |     | Score Repo | rt For C | DSPL on | Algorithm Ve | rification | 1         |
|----|-----|------------|----------|---------|--------------|------------|-----------|
| N  | P   | Pooled SD  | Ideal    | Gilbert | Verification | Score      | Norm Diff |
|    | 0.6 | 0.0071     | 3.590    | 3.605   | 3.602        | 0.224      | 0.813     |
|    | 0.7 | 0.0059     | 4.210    | 4.202   | 4.192        | -1.041     | 2.306     |
|    | 0.8 | 0.0056     | 4.801    | 4.794   | 4.801        | 2.575      | 0.077     |
|    | 0.9 | 0.0035     | 5.400    | 5.403   | 5.399        | 0.764      | -0.430    |
|    | 0.1 | 0.0049     | 0.703    | 0.697   | 0.699        | 0.349      | 0.621     |
|    | 0.2 | 0.0051     | 1.394    | 1.399   | 1.400        | -0.234     | 1.237     |
|    | 0.3 | 0.0051     | 2.096    | 2.091   | 2.096        | 6.453      | 0.002     |
|    | 0.4 | 0.0063     | 2.790    | 2.805   | 2.799        | 0.442      | 0.608     |
| 8  | 0.5 | 0.0064     | 3.503    | 3.499   | 3.503        | 2.399      | 0.087     |
|    | 0.6 | 0.0062     | 4.209    | 4.200   | 4.206        | 1.239      | 0.325     |
|    | 0.7 | 0.0073     | 4.904    | 4.892   | 4.897        | 0.584      | 0.579     |
|    | 0.8 | 0.0045     | 5.603    | 5.606   | 5.598        | -0.664     | -2.516    |
|    | 0.9 | 0.0042     | 6.305    | 6.294   | 6.298        | 0.143      | 0.696     |
|    | 0.1 | 0.0035     | 0.809    | 0.800   | 0.799        | -0.116     | 1.069     |
|    | 0.2 | 0.0045     | 1.600    | 1.594   | 1.598        | 1.259      | 0.341     |
|    | 0.3 | 0.0051     | 2.403    | 2.392   | 2.408        | 0.838      | -0.416    |
|    | 0.4 | 0.0056     | 3.201    | 3.210   | 3.191        | -0.092     | -1.055    |
| 9  | 0.5 | 0.0065     | 4.000    | 3.999   | 3.994        | -1.286     | 3.560     |
|    | 0.6 | 0.0085     | 4.807    | 4.794   | 4.798        | 0.184      | 0.704     |
|    | 0.7 | 0.0061     | 5.599    | 5.606   | 5.598        | 2.325      | -0.096    |
|    | 0.8 | 0.0052     | 6.391    | 6.400   | 6.395        | 0.746      | 0.482     |
|    | 0.9 | 0.0037     | 7.194    | 7.200   | 7.200        | -0.174     | 1.012     |
|    | 0.1 | 0.0035     | 0.900    | 0.898   | 0.899        | 0.925      | 0.445     |
|    | 0.2 | 0.0056     | 1.797    | 1.809   | 1.796        | 1.936      | -0.146    |
|    | 0.3 | 0.0070     | 2.700    | 2.693   | 2.704        | 0.772      | -0.471    |
|    | 0.4 | 0.0049     | 3.596    | 3.597   | 3.601        | -1.437     | 4.942     |
| 10 | 0.5 | 0.0069     | 4.504    | 4.497   | 4.504        | 3.026      | 0.046     |
|    | 0.6 | 0.0061     | 5.396    | 5.403   | 5.398        | 1.585      | 0.203     |
|    | 0.7 | 0.0068     | 6.294    | 6.301   | 6.293        | 2.455      | -0.084    |
|    | 0.8 | 0.0040     | 7.204    | 7.205   | 7.201        | -1.614     | -5.063    |
|    | 0.9 | 0.0050     | 8.103    | 8.094   | 8.096        | 0.418      | 0.681     |

|   | Score Report For ODSPL on Algorithm Verification |       |       |       |       |       |       |       |       |        |  |
|---|--|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
|   | P  |       |       |       |       |       |       |       |       |        |  |
| N | .1   | .2    | .3    | .4    | .5    | .6    | .7    | .8    | .9    | Mean   |  |
| 4 | 1.37   | -0.71 | -0.42 | 0.81  | 0.29  | -1.12 | -0.49 | -0.66 | -0.53 | -0.163 |  |
| 5 | 3.52   | 0.76  | -1.55 | -1.88 | 0.77  | 1.78  | -0.95 | -0.44 | -0.47 | 0.171  |  |
| 6 | -0.12  | 0.26  | 1.82  | -1.10 | 2.52  | -1.30 | -0.07 | -1.09 | 3.07  | 0.446  |  |
| 7 | 0.31   | -0.05 | 0.58  | -2.40 | -1.40 | 0.22  | -1.04 | 2.57  | 0.76  | -0.049 |  |
| 8 | 0.35   | -0.23 | 6.45  | 0.44  | 2.40  | 1.24  | 0.58  | -0.66 | 0.14  | 1.190  |  |
| 9 | -0.12  | 1.26  | 0.84  | -0.09 | -1.29 | 0.18  | 2.32  | 0.75  | -0.17 | 0.409  |  |

|      | Score Report For ODSPL on Algorithm Verification |      |      |       |      |      |      |       |      |       |  |
|------|--|------|------|-------|------|------|------|-------|------|-------|--|
|      | P  |      |      |       |      |      |      |       |      |       |  |
| N    | .1   | .2   | .3   | .4    | .5   | .6   | .7   | .8    | .9   | Mean  |  |
| 10   | 0.92   | 1.94 | 0.77 | -1.44 | 3.03 | 1.58 | 2.45 | -1.61 | 0.42 | 0.896 |  |
| Mean | 0.89   | 0.46 | 1.21 | -0.81 | 0.90 | 0.37 | 0.40 | -0.16 | 0.46 | 0.41  |  |

|   |                 | Score I   | Report For A | NA on Algo | orithm Verifica | tion   |           |
|---|-----------------|-----------|--------------|------------|-----------------|--------|-----------|
| N | P               | Pooled SD | Ideal        | Gilbert    | Verification    | Score  | Norm Diff |
|   | 0.1             | 0.0909    | 14.756       | 14.714     | 14.449          | -1.940 | 7.348     |
|   | 0.2             | 0.0845    | 9.528        | 8.984      | 8.916           | -0.174 | 1.125     |
|   | 0.3             | 0.0610    | 6.851        | 5.978      | 5.999           | -0.065 | 0.975     |
|   | 0.4             | 0.0552    | 5.658        | 4.588      | 4.542           | -0.069 | 1.043     |
| 4 | $\mid 0.5 \mid$ | 0.0349    | 5.315        | 4.111      | 4.091           | -0.091 | 1.016     |
|   | 0.6             | 0.0533    | 5.736        | 4.513      | 4.513           | 0.083  | 1.001     |
|   | 0.7             | 0.0621    | 6.833        | 6.002      | 5.996           | -0.024 | 1.007     |
|   | 0.8             | 0.1036    | 9.536        | 9.035      | 9.010           | -0.215 | 1.050     |
|   | 0.9             | 0.1031    | 14.660       | 14.447     | 14.545          | 0.503  | 0.542     |
|   | 0.1             | 0.5524    | 47.926       | 48.319     | 47.765          | 0.968  | -0.410    |
|   | 0.2             | 0.3411    | 19.630       | 19.279     | 18.831          | -0.807 | 2.277     |
|   | 0.3             | 0.1889    | 10.382       | 8.399      | 8.352           | 0.092  | 1.024     |
|   | 0.4             | 0.0974    | 7.440        | 4.659      | 4.775           | -0.147 | 0.958     |
| 5 | $\mid 0.5 \mid$ | 0.0754    | 6.725        | 4.036      | 3.931           | 0.004  | 1.039     |
|   | 0.6             | 0.1163    | 7.347        | 5.042      | 4.897           | -0.101 | 1.063     |
|   | 0.7             | 0.1940    | 10.148       | 7.902      | 8.292           | 0.199  | 0.827     |
|   | 0.8             | 0.3494    | 20.289       | 18.714     | 18.804          | -0.004 | 0.943     |
|   | 0.9             | 0.5427    | 47.703       | 47.592     | 47.631          | 0.304  | 0.647     |
|   | 0.1             | 2.6740    | 175.172      | 170.833    | 167.073         | -0.532 | 1.867     |
|   | 0.2             | 1.2435    | 41.546       | 39.095     | 37.450          | -0.381 | 1.671     |
|   | 0.3             | 0.5191    | 15.784       | 10.091     | 10.077          | 0.004  | 1.002     |
|   | 0.4             | 0.1902    | 10.619       | 4.532      | 4.367           | -0.078 | 1.027     |
| 6 | $\mid 0.5 \mid$ | 0.1198    | 9.238        | 3.378      | 3.393           | 0.004  | 0.997     |
|   | 0.6             | 0.2015    | 10.826       | 4.692      | 4.494           | -0.122 | 1.032     |
|   | $\mid 0.7 \mid$ | 0.5491    | 17.077       | 9.641      | 9.904           | 0.081  | 0.965     |
|   | 0.8             | 1.1287    | 44.117       | 39.335     | 37.459          | -0.282 | 1.392     |
|   | 0.9             | 3.3890    | 170.727      | 172.162    | 169.293         | -0.016 | -1.000    |
|   | 0.1             | 16.7911   | 618.229      | 640.198    | 624.911         | 0.996  | 0.304     |
|   | 0.2             | 5.1912    | 81.735       | 68.794     | 69.046          | -0.163 | 0.981     |
|   | 0.3             | 1.3021    | 22.700       | 10.869     | 10.588          | 0.101  | 1.024     |
|   | 0.4             | 0.2975    | 10.981       | 3.151      | 3.123           | -0.010 | 1.004     |
| 7 | 0.5             | 0.1904    | 7.827        | 2.471      | 2.529           | 0.013  | 0.989     |
|   | 0.6             | 0.1984    | 10.409       | 3.133      | 3.172           | 0.007  | 0.995     |
|   | 0.7             | 1.4872    | 21.544       | 9.900      | 10.927          | 0.253  | 0.912     |
|   | 0.8             | 4.1697    | 86.905       | 68.876     | 66.677          | 0.035  | 1.122     |

|    | Score Report For ANA on Algorithm Verification  N P Pooled SD Ideal Gilbert Verification Score Norm Diff |           |           |           |              |        |           |  |  |  |  |  |
|----|--|-----------|-----------|-----------|--------------|--------|-----------|--|--|--|--|--|
| N  | P  | Pooled SD | Ideal     | Gilbert   | Verification | Score  | Norm Diff |  |  |  |  |  |
|    | 0.9  | 12.6831   | 623.038   | 629.684   | 624.861      | 1.452  | 0.274     |  |  |  |  |  |
|    | 0.1  | 99.5417   | 2346.806  | 2509.525  | 2516.931     | -0.093 | 1.046     |  |  |  |  |  |
|    | 0.2  | 18.7448   | 197.361   | 116.861   | 125.129      | 0.104  | 0.897     |  |  |  |  |  |
|    | 0.3  | 4.5242    | 27.712    | 15.763    | 7.682        | -1.373 | 1.676     |  |  |  |  |  |
|    | 0.4  | 0.8689    | 10.204    | 2.208     | 2.274        | 0.008  | 0.992     |  |  |  |  |  |
| 8  | $\mid 0.5 \mid$  | 0.2626    | 5.664     | 1.841     | 1.850        | 0.001  | 0.998     |  |  |  |  |  |
|    | 0.6  | 0.7229    | 9.417     | 2.237     | 2.280        | 0.006  | 0.994     |  |  |  |  |  |
|    | 0.7  | 2.8112    | 34.192    | 6.173     | 6.112        | -0.004 | 1.002     |  |  |  |  |  |
|    | 0.8  | 17.4536   | 182.893   | 132.801   | 122.478      | -0.393 | 1.206     |  |  |  |  |  |
|    | 0.9  | 104.6834  | 2486.896  | 2344.466  | 2420.985     | 0.559  | 0.463     |  |  |  |  |  |
|    | 0.1  | 550.1888  | 9593.758  | 9291.133  | 9106.214     | -0.455 | 1.611     |  |  |  |  |  |
|    | $\mid 0.2 \mid$  | 62.6040   | 250.805   | 162.279   | 183.422      | 0.318  | 0.761     |  |  |  |  |  |
|    | 0.3  | 5.2398    | 33.373    | 4.194     | 4.097        | -0.002 | 1.003     |  |  |  |  |  |
|    | 0.4  | 0.3601    | 4.441     | 1.961     | 1.685        | -0.285 | 1.111     |  |  |  |  |  |
| 9  | $\mid 0.5 \mid$  | 0.0763    | 2.677     | 1.446     | 1.451        | 0.009  | 0.996     |  |  |  |  |  |
|    | 0.6  | 1.8657    | 7.040     | 1.673     | 1.694        | 0.004  | 0.996     |  |  |  |  |  |
|    | $\mid 0.7 \mid$  | 3.0990    | 30.170    | 5.031     | 4.274        | -0.031 | 1.030     |  |  |  |  |  |
|    | 0.8  | 76.5732   | 289.008   | 260.836   | 144.090      | -1.899 | 5.144     |  |  |  |  |  |
|    | 0.9  | 507.2343  | 8923.973  | 9190.962  | 9487.400     | -0.674 | 2.110     |  |  |  |  |  |
|    | 0.1  | 3802.2061 | 36419.086 | 33603.254 | 33374.818    | -0.099 | 1.081     |  |  |  |  |  |
|    | 0.2  | 167.2418  | 325.199   | 340.325   | 75.649       | -4.865 | -16.498   |  |  |  |  |  |
|    | 0.3  | 20.5731   | 62.532    | 3.571     | 3.053        | -0.010 | 1.009     |  |  |  |  |  |
|    | $\mid 0.4 \mid$  | 0.2074    | 2.920     | 1.375     | 1.361        | -0.012 | 1.009     |  |  |  |  |  |
| 10 | $\mid 0.5 \mid$  | 0.0405    | 1.764     | 1.235     | 1.237        | -0.011 | 0.998     |  |  |  |  |  |
|    | 0.6  | 0.4634    | 3.216     | 1.370     | 1.391        | 0.013  | 0.989     |  |  |  |  |  |
|    | $\mid 0.7 \mid$  | 16.8276   | 38.265    | 3.071     | 2.936        | -0.004 | 1.004     |  |  |  |  |  |
|    | 0.8  | 175.7444  | 397.550   | 73.029    | 225.140      | 0.985  | 0.531     |  |  |  |  |  |
|    | 0.9  | 3652.8111 | 42193.478 | 40661.240 | 34853.692    | -1.641 | 4.790     |  |  |  |  |  |

|      |       | Scor  | e Repor | t For Al | NA on A | lgorithm | Verifica | ation |       |        |
|------|-------|-------|---------|----------|---------|----------|----------|-------|-------|--------|
|      |       |       |         |          | Р       |          |          |       |       |        |
| N    | .1    | .2    | .3      | .4       | .5      | .6       | .7       | .8    | .9    | Mean   |
| 4    | -1.94 | -0.17 | -0.07   | -0.07    | -0.09   | 0.08     | -0.02    | -0.22 | 0.50  | -0.221 |
| 5    | 0.97  | -0.81 | 0.09    | -0.15    | 0.00    | -0.10    | 0.20     | -0.00 | 0.30  | 0.056  |
| 6    | -0.53 | -0.38 | 0.00    | -0.08    | 0.00    | -0.12    | 0.08     | -0.28 | -0.02 | -0.147 |
| 7    | 1.00  | -0.16 | 0.10    | -0.01    | 0.01    | 0.01     | 0.25     | 0.03  | 1.45  | 0.298  |
| 8    | -0.09 | 0.10  | -1.37   | 0.01     | 0.00    | 0.01     | -0.00    | -0.39 | 0.56  | -0.131 |
| 9    | -0.46 | 0.32  | -0.00   | -0.28    | 0.01    | 0.00     | -0.03    | -1.90 | -0.67 | -0.335 |
| 10   | -0.10 | -4.86 | -0.01   | -0.01    | -0.01   | 0.01     | -0.00    | 0.99  | -1.64 | -0.627 |
| Mean | -0.16 | -0.85 | -0.18   | -0.08    | -0.01   | -0.02    | 0.07     | -0.25 | 0.07  | -0.16  |

| Score Report For NCP on Algorithm Verification  N P Pooled SD Ideal Gilbert Verification Score Norm Diff |                 |           |       |         |              |       |           |  |  |  |
|--|-----------------|-----------|-------|---------|--------------|-------|-----------|--|--|--|
| N  | P               | Pooled SD | Ideal | Gilbert | Verification | Score | Norm Diff |  |  |  |
|  | 0.1             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
|  | 0.2             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
|  | 0.3             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
|  | 0.4             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
| 4  | 0.5             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
|  | 0.6             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
|  | 0.7             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
|  | 0.8             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
|  | 0.9             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
|  | 0.1             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
|  | 0.2             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
|  | 0.3             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
|  | 0.4             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
| 5  | 0.5             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
|  | 0.6             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
|  | 0.7             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
|  | 0.8             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
|  | 0.9             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
|  | 0.1             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
|  | 0.2             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
|  | 0.3             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
|  | 0.4             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
| 6  | 0.5             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
|  | 0.6             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
|  | 0.7             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
|  | 0.8             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
|  | 0.9             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
|  | 0.1             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
|  | 0.2             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
|  | 0.3             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
|  | 0.4             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
| 7  | $\mid 0.5 \mid$ | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
|  | 0.6             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
|  | 0.7             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
|  | 0.8             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
| L  | 0.9             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
|  | 0.1             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
|  | 0.2             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
|  | 0.3             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
|  | 0.4             | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |
| 8  | $\mid 0.5 \mid$ | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |

|    | Score Report For NCP on Algorithm Verification |           |       |         |              |       |           |  |  |  |  |
|----|--|-----------|-------|---------|--------------|-------|-----------|--|--|--|--|
| N  | Р  | Pooled SD | Ideal | Gilbert | Verification | Score | Norm Diff |  |  |  |  |
|    | 0.6  | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |  |
|    | 0.7  | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |  |
|    | 0.8  | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |  |
|    | 0.9  | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |  |
|    | 0.1  | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |  |
|    | 0.2  | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |  |
|    | 0.3  | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |  |
|    | 0.4  | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |  |
| 9  | 0.5  | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |  |
|    | 0.6  | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |  |
|    | 0.7  | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |  |
|    | 0.8  | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |  |
|    | 0.9  | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |  |
|    | 0.1  | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |  |
|    | 0.2  | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |  |
|    | 0.3  | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |  |
|    | 0.4  | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |  |
| 10 | 0.5  | 0.0333    | 0.000 | 0.000   | 0.033        | 0.000 | -Inf      |  |  |  |  |
|    | 0.6  | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |  |
|    | 0.7  | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |  |
|    | 0.8  | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |  |
|    | 0.9  | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000 | NaN       |  |  |  |  |

|      | Score Report For NCP on Algorithm Verification |      |      |      |      |      |      |      |      |       |  |  |
|------|--|------|------|------|------|------|------|------|------|-------|--|--|
|      | Р  |      |      |      |      |      |      |      |      |       |  |  |
| N    | .1   | .2   | .3   | .4   | .5   | .6   | .7   | .8   | .9   | Mean  |  |  |
| 4    | 0.00   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 |  |  |
| 5    | 0.00   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 |  |  |
| 6    | 0.00   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 |  |  |
| 7    | 0.00   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 |  |  |
| 8    | 0.00   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 |  |  |
| 9    | 0.00   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 |  |  |
| 10   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 |  |  |
| Mean | 0.00   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |  |  |

| Score Report For NR on Algorithm Verification |     |   |         |         |         |        |       |  |  |  |
|---|-----|---|---------|---------|---------|--------|-------|--|--|--|
| N   | P   | P   Pooled SD   Ideal   Gilbert   Verification   Score   No |         |         |         |        |       |  |  |  |
|   | 0.1 | 4.5048  | 582.233 | 558.367 | 547.100 | -0.322 | 1.472 |  |  |  |
|   | 0.2 | 4.8525  | 389.700 | 312.767 | 310.300 | -0.034 | 1.032 |  |  |  |
|   | 0.3 | 4.6169  | 314.200 | 196.200 | 195.433 | -0.066 | 1.006 |  |  |  |

| Score Report For NR on Algorithm Verification |     |           |         |         |              |        |           |  |  |
|---|-----|-----------|---------|---------|--------------|--------|-----------|--|--|
| N   | P   | Pooled SD | Ideal   | Gilbert | Verification | Score  | Norm Diff |  |  |
|   | 0.4 | 3.7201    | 273.633 | 143.067 | 139.133      | -0.079 | 1.030     |  |  |
|   | 0.5 | 2.9536    | 267.033 | 122.900 | 123.267      | 0.019  | 0.997     |  |  |
|   | 0.6 | 3.8632    | 279.700 | 137.900 | 139.367      | 0.101  | 0.990     |  |  |
|   | 0.7 | 3.6796    | 309.233 | 195.700 | 197.467      | 0.043  | 0.984     |  |  |
|   | 0.8 | 5.3116    | 390.900 | 315.633 | 316.500      | -0.051 | 0.988     |  |  |
|   | 0.9 | 5.2751    | 578.533 | 548.800 | 552.667      | 0.009  | 0.870     |  |  |
|   | 0.1 | 5.0160    | 347.100 | 353.233 | 348.400      | 1.631  | 0.212     |  |  |
|   | 0.2 | 3.1185    | 108.333 | 111.967 | 108.567      | 2.724  | 0.064     |  |  |
|   | 0.3 | 1.8210    | 45.333  | 33.933  | 32.700       | 0.004  | 1.108     |  |  |
|   | 0.4 | 1.4285    | 39.233  | 15.933  | 16.000       | 0.087  | 0.997     |  |  |
| 5   | 0.5 | 1.6592    | 39.700  | 14.000  | 14.333       | 0.102  | 0.987     |  |  |
|   | 0.6 | 1.3267    | 40.267  | 18.833  | 16.400       | 0.034  | 1.114     |  |  |
|   | 0.7 | 2.0489    | 44.067  | 31.367  | 33.533       | 0.117  | 0.829     |  |  |
|   | 0.8 | 3.1096    | 114.067 | 106.667 | 107.933      | 0.160  | 0.829     |  |  |
|   | 0.9 | 4.8928    | 345.700 | 346.867 | 347.133      | -0.343 | 1.229     |  |  |
|   | 0.1 | 3.8773    | 237.267 | 211.800 | 205.833      | -0.146 | 1.234     |  |  |
|   | 0.2 | 1.9315    | 84.267  | 44.133  | 43.300       | 0.220  | 1.021     |  |  |
|   | 0.3 | 1.7324    | 51.567  | 12.300  | 12.867       | 0.061  | 0.986     |  |  |
|   | 0.4 | 1.4686    | 38.767  | 6.533   | 7.867        | 0.084  | 0.959     |  |  |
| 6   | 0.5 | 1.2880    | 34.400  | 4.767   | 5.667        | 0.058  | 0.970     |  |  |
|   | 0.6 | 1.1499    | 39.833  | 6.600   | 7.367        | 0.055  | 0.977     |  |  |
|   | 0.7 | 1.3914    | 53.533  | 11.767  | 13.500       | 0.181  | 0.958     |  |  |
|   | 0.8 | 1.9668    | 91.633  | 45.400  | 43.433       | -0.008 | 1.043     |  |  |
|   | 0.9 | 4.7341    | 231.000 | 214.733 | 210.167      | -0.295 | 1.281     |  |  |
|   | 0.1 | 3.4058    | 105.167 | 111.267 | 108.233      | 0.500  | 0.503     |  |  |
|   | 0.2 | 1.0779    | 10.667  | 9.000   | 9.167        | -0.049 | 0.900     |  |  |
|   | 0.3 | 0.4644    | 6.200   | 1.133   | 1.233        | 0.012  | 0.980     |  |  |
|   | 0.4 | 0.5037    | 4.767   | 0.933   | 0.467        | -0.172 | 1.122     |  |  |
| 7   | 0.5 | 0.3288    | 3.900   | 0.267   | 0.500        | 0.100  | 0.936     |  |  |
|   | 0.6 | 0.4314    | 4.633   | 0.500   | 0.867        | 0.164  | 0.911     |  |  |
|   | 0.7 | 0.6316    | 7.133   | 1.333   | 1.367        | 0.063  | 0.994     |  |  |
|   | 0.8 | 0.8791    | 11.567  | 9.133   | 8.467        | -0.092 | 1.274     |  |  |
|   | 0.9 | 2.5864    | 106.367 | 109.067 | 108.200      | 0.536  | 0.679     |  |  |
|   | 0.1 | 2.7049    | 65.333  | 55.267  | 55.667       | -0.009 | 0.960     |  |  |
|   | 0.2 | 0.9615    | 18.200  | 2.767   | 2.833        | 0.001  | 0.996     |  |  |
|   | 0.3 | 0.4684    | 4.500   | 0.933   | 0.500        | -0.127 | 1.121     |  |  |
|   | 0.4 | 0.2650    | 1.833   | 0.133   | 0.133        | -0.000 | 1.000     |  |  |
| 8   | 0.5 | 0.2609    | 1.333   | 0.267   | 0.100        | -0.174 | 1.156     |  |  |
|   | 0.6 | 0.2556    | 1.800   | 0.067   | 0.167        | 0.081  | 0.942     |  |  |
|   | 0.7 | 0.4035    | 5.200   | 0.500   | 0.567        | 0.006  | 0.986     |  |  |
|   | 0.8 | 0.8529    | 17.733  | 3.100   | 2.700        | -0.047 | 1.027     |  |  |

|    | Score Report For NR on Algorithm Verification |           |        |         |              |        |           |  |  |  |
|----|---|-----------|--------|---------|--------------|--------|-----------|--|--|--|
| N  | Р   | Pooled SD | Ideal  | Gilbert | Verification | Score  | Norm Diff |  |  |  |
|    | 0.9   | 2.7483    | 68.267 | 51.933  | 53.533       | -0.102 | 0.902     |  |  |  |
|    | 0.1   | 1.5169    | 22.600 | 22.433  | 21.767       | -1.602 | 5.000     |  |  |  |
|    | 0.2   | 0.2051    | 0.633  | 0.333   | 0.367        | 0.124  | 0.889     |  |  |  |
|    | 0.3   | 0.1358    | 0.600  | 0.033   | 0.067        | 0.167  | 0.941     |  |  |  |
|    | 0.4   | 0.0785    | 0.233  | 0.000   | 0.000        | -0.000 | 1.000     |  |  |  |
| 9  | $\mid 0.5 \mid$                               | 0.0937    | 0.333  | 0.000   | 0.033        | 0.173  | 0.900     |  |  |  |
|    | 0.6   | 0.0631    | 0.133  | 0.000   | 0.000        | -0.000 | 1.000     |  |  |  |
|    | 0.7   | 0.1706    | 0.867  | 0.067   | 0.000        | -0.118 | 1.083     |  |  |  |
|    | 0.8   | 0.2837    | 1.167  | 0.600   | 0.333        | -0.565 | 1.471     |  |  |  |
|    | 0.9   | 1.3917    | 20.667 | 22.033  | 22.867       | -0.372 | 1.610     |  |  |  |
|    | 0.1   | 1.3093    | 14.367 | 8.133   | 7.967        | -0.051 | 1.027     |  |  |  |
|    | 0.2   | 0.3845    | 2.833  | 0.133   | 0.033        | -0.046 | 1.037     |  |  |  |
|    | 0.3   | 0.1156    | 0.333  | 0.000   | 0.033        | 0.149  | 0.900     |  |  |  |
|    | 0.4   | 0.0631    | 0.133  | 0.000   | 0.000        | -0.000 | 1.000     |  |  |  |
| 10 | 0.5   | 0.0463    | 0.000  | 0.067   | 0.000        | 0.000  | 0.000     |  |  |  |
|    | 0.6   | 0.0000    | 0.000  | 0.000   | 0.000        | 0.000  | NaN       |  |  |  |
|    | 0.7   | 0.1156    | 0.333  | 0.000   | 0.033        | 0.149  | 0.900     |  |  |  |
|    | 0.8   | 0.3264    | 2.400  | 0.000   | 0.133        | 0.076  | 0.944     |  |  |  |
|    | 0.9   | 1.2893    | 17.733 | 10.200  | 8.500        | -0.250 | 1.226     |  |  |  |

|      | Score Report For NR on Algorithm Verification |       |       |       |       |       |       |       |       |        |  |  |
|------|---|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|--|
|      | P   |       |       |       |       |       |       |       |       |        |  |  |
| N    | .1  | .2    | .3    | .4    | .5    | .6    | .7    | .8    | .9    | Mean   |  |  |
| 4    | -0.32   | -0.03 | -0.07 | -0.08 | 0.02  | 0.10  | 0.04  | -0.05 | 0.01  | -0.042 |  |  |
| 5    | 1.63  | 2.72  | 0.00  | 0.09  | 0.10  | 0.03  | 0.12  | 0.16  | -0.34 | 0.502  |  |  |
| 6    | -0.15   | 0.22  | 0.06  | 0.08  | 0.06  | 0.05  | 0.18  | -0.01 | -0.30 | 0.023  |  |  |
| 7    | 0.50  | -0.05 | 0.01  | -0.17 | 0.10  | 0.16  | 0.06  | -0.09 | 0.54  | 0.118  |  |  |
| 8    | -0.01   | 0.00  | -0.13 | -0.00 | -0.17 | 0.08  | 0.01  | -0.05 | -0.10 | -0.041 |  |  |
| 9    | -1.60   | 0.12  | 0.17  | -0.00 | 0.17  | -0.00 | -0.12 | -0.57 | -0.37 | -0.244 |  |  |
| 10   | -0.05   | -0.05 | 0.15  | -0.00 | 0.00  | 0.00  | 0.15  | 0.08  | -0.25 | 0.003  |  |  |
| Mean | 0.00  | 0.42  | 0.03  | -0.01 | 0.04  | 0.06  | 0.06  | -0.08 | -0.12 | 0.05   |  |  |

|   | Score Report For NE on Algorithm Verification |           |       |                  |       |        |           |  |  |  |  |  |
|---|---|-----------|-------|------------------|-------|--------|-----------|--|--|--|--|--|
| N | P   | Pooled SD | Ideal | Ideal Gilbert Ve |       | Score  | Norm Diff |  |  |  |  |  |
|   | 0.1   | 0.0065    | 0.602 | 0.586            | 0.606 | 1.367  | -0.237    |  |  |  |  |  |
|   | 0.2   | 0.0097    | 1.197 | 1.201            | 1.204 | -0.713 | 1.683     |  |  |  |  |  |
|   | 0.3   | 0.0109    | 1.811 | 1.802            | 1.798 | -0.424 | 1.413     |  |  |  |  |  |
|   | $\mid 0.4 \mid$                               | 0.0117    | 2.405 | 2.398            | 2.408 | 0.808  | -0.461    |  |  |  |  |  |
| 4 | 0.5   | 0.0117    | 2.993 | 3.004            | 3.002 | 0.294  | 0.847     |  |  |  |  |  |
|   | 0.6   | 0.0116    | 3.599 | 3.596            | 3.608 | -1.117 | -3.353    |  |  |  |  |  |

|   | Score Report For NE on Algorithm Verification |           |        |         |              |        |           |  |  |  |
|---|---|-----------|--------|---------|--------------|--------|-----------|--|--|--|
| N | P   | Pooled SD | Ideal  | Gilbert | Verification | Score  | Norm Diff |  |  |  |
|   | 0.7   | 0.0126    | 4.208  | 4.202   | 4.199        | -0.490 | 1.685     |  |  |  |
|   | 0.8   | 0.0101    | 4.800  | 4.803   | 4.797        | -0.662 | -1.623    |  |  |  |
|   | 0.9   | 0.0080    | 5.394  | 5.397   | 5.398        | -0.532 | 1.482     |  |  |  |
|   | 0.1   | 0.0098    | 1.001  | 0.986   | 1.000        | 3.520  | 0.033     |  |  |  |
|   | 0.2   | 0.0113    | 2.018  | 1.996   | 2.008        | 0.760  | 0.437     |  |  |  |
|   | 0.3   | 0.0140    | 3.002  | 3.002   | 2.998        | -1.548 | -5.409    |  |  |  |
|   | 0.4   | 0.0142    | 3.986  | 3.984   | 3.999        | -1.878 | -6.450    |  |  |  |
| 5 | 0.5   | 0.0115    | 4.985  | 5.010   | 4.998        | 0.767  | 0.513     |  |  |  |
|   | 0.6   | 0.0155    | 6.001  | 6.003   | 6.002        | 1.779  | 0.152     |  |  |  |
|   | 0.7   | 0.0129    | 6.991  | 6.987   | 7.000        | -0.950 | -2.269    |  |  |  |
|   | 0.8   | 0.0137    | 8.008  | 7.999   | 7.997        | -0.442 | 1.294     |  |  |  |
|   | 0.9   | 0.0093    | 8.987  | 8.999   | 9.005        | -0.468 | 1.510     |  |  |  |
|   | 0.1   | 0.0116    | 1.492  | 1.503   | 1.505        | -0.115 | 1.170     |  |  |  |
|   | 0.2   | 0.0159    | 3.023  | 2.993   | 2.998        | 0.260  | 0.852     |  |  |  |
|   | 0.3   | 0.0168    | 4.490  | 4.512   | 4.486        | 1.824  | -0.153    |  |  |  |
|   | 0.4   | 0.0168    | 6.002  | 5.999   | 6.012        | -1.100 | -3.315    |  |  |  |
| 6 | 0.5   | 0.0217    | 7.501  | 7.482   | 7.500        | 2.520  | 0.078     |  |  |  |
|   | 0.6   | 0.0144    | 8.989  | 8.987   | 9.000        | -1.297 | -4.212    |  |  |  |
|   | 0.7   | 0.0151    | 10.532 | 10.495  | 10.491       | -0.069 | 1.082     |  |  |  |
|   | 0.8   | 0.0153    | 12.015 | 12.022  | 11.997       | -1.087 | -2.763    |  |  |  |
|   | 0.9   | 0.0129    | 13.489 | 13.509  | 13.490       | 3.073  | 0.047     |  |  |  |
|   | 0.1   | 0.0129    | 2.119  | 2.094   | 2.103        | 0.309  | 0.660     |  |  |  |
|   | 0.2   | 0.0162    | 4.198  | 4.212   | 4.182        | -0.054 | -1.140    |  |  |  |
|   | 0.3   | 0.0171    | 6.327  | 6.267   | 6.291        | 0.580  | 0.593     |  |  |  |
|   | 0.4   | 0.0218    | 8.390  | 8.391   | 8.380        | -2.397 | -12.560   |  |  |  |
| 7 | 0.5   | 0.0238    | 10.518 | 10.511  | 10.496       | -1.404 | 3.418     |  |  |  |
|   | 0.6   | 0.0249    | 12.566 | 12.618  | 12.608       | 0.224  | 0.813     |  |  |  |
|   | 0.7   | 0.0205    | 14.735 | 14.708  | 14.673       | -1.041 | 2.306     |  |  |  |
|   | 0.8   | 0.0194    | 16.805 | 16.778  | 16.803       | 2.575  | 0.077     |  |  |  |
|   | 0.9   | 0.0123    | 18.901 | 18.911  | 18.897       | 0.764  | -0.430    |  |  |  |
|   | 0.1   | 0.0195    | 2.810  | 2.789   | 2.797        | 0.349  | 0.621     |  |  |  |
|   | 0.2   | 0.0204    | 5.577  | 5.595   | 5.599        | -0.234 | 1.237     |  |  |  |
|   | 0.3   | 0.0203    | 8.384  | 8.363   | 8.384        | 6.453  | 0.002     |  |  |  |
|   | 0.4   | 0.0253    | 11.159 | 11.219  | 11.196       | 0.442  | 0.608     |  |  |  |
| 8 | 0.5   | 0.0257    | 14.012 | 13.996  | 14.010       | 2.399  | 0.087     |  |  |  |
|   | 0.6   | 0.0246    | 16.834 | 16.798  | 16.823       | 1.239  | 0.325     |  |  |  |
|   | 0.7   | 0.0293    | 19.617 | 19.570  | 19.590       | 0.584  | 0.579     |  |  |  |
|   | 0.8   | 0.0178    | 22.413 | 22.422  | 22.390       | -0.664 | -2.516    |  |  |  |
|   | 0.9   | 0.0167    | 25.221 | 25.177  | 25.190       | 0.143  | 0.696     |  |  |  |
|   | 0.1   | 0.0157    | 3.642  | 3.598   | 3.595        | -0.116 | 1.069     |  |  |  |
|   | 0.2   | 0.0201    | 7.199  | 7.174   | 7.191        | 1.259  | 0.341     |  |  |  |

9 36

|    |                 | Score Re  | port For | NE on Al | gorithm Verifi | cation |           |
|----|-----------------|-----------|----------|----------|----------------|--------|-----------|
| N  | P               | Pooled SD | Ideal    | Gilbert  | Verification   | Score  | Norm Diff |
|    | 0.3             | 0.0228    | 10.815   | 10.764   | 10.837         | 0.838  | -0.416    |
|    | 0.4             | 0.0254    | 14.404   | 14.446   | 14.360         | -0.092 | -1.055    |
|    | $\mid 0.5 \mid$ | 0.0292    | 18.002   | 17.994   | 17.973         | -1.286 | 3.560     |
|    | 0.6             | 0.0385    | 21.633   | 21.574   | 21.591         | 0.184  | 0.704     |
|    | 0.7             | 0.0276    | 25.194   | 25.229   | 25.191         | 2.325  | -0.096    |
|    | 0.8             | 0.0236    | 28.761   | 28.799   | 28.779         | 0.746  | 0.482     |
|    | 0.9             | 0.0167    | 32.373   | 32.400   | 32.401         | -0.174 | 1.012     |
|    | 0.1             | 0.0177    | 4.502    | 4.490    | 4.497          | 0.925  | 0.445     |
|    | 0.2             | 0.0280    | 8.987    | 9.046    | 8.978          | 1.936  | -0.146    |
|    | 0.3             | 0.0348    | 13.501   | 13.467   | 13.518         | 0.772  | -0.471    |
|    | 0.4             | 0.0243    | 17.981   | 17.986   | 18.006         | -1.437 | 4.942     |
| 10 | $\mid 0.5 \mid$ | 0.0347    | 22.520   | 22.487   | 22.519         | 3.026  | 0.046     |
|    | 0.6             | 0.0307    | 26.981   | 27.017   | 26.988         | 1.585  | 0.203     |
|    | 0.7             | 0.0338    | 31.470   | 31.503   | 31.467         | 2.455  | -0.084    |
|    | 0.8             | 0.0200    | 36.022   | 36.025   | 36.003         | -1.614 | -5.063    |
|    | 0.9             | 0.0252    | 40.514   | 40.468   | 40.483         | 0.418  | 0.681     |

|      |       | Sco   | re Repo | Score Report For NE on Algorithm Verification |       |       |       |       |       |        |  |  |  |  |  |
|------|-------|-------|---------|---|-------|-------|-------|-------|-------|--------|--|--|--|--|--|
|      | P     |       |         |   |       |       |       |       |       |        |  |  |  |  |  |
| N    | .1    | .2    | .3      | .4  | .5    | .6    | .7    | .8    | .9    | Mean   |  |  |  |  |  |
| 4    | 1.37  | -0.71 | -0.42   | 0.81  | 0.29  | -1.12 | -0.49 | -0.66 | -0.53 | -0.163 |  |  |  |  |  |
| 5    | 3.52  | 0.76  | -1.55   | -1.88   | 0.77  | 1.78  | -0.95 | -0.44 | -0.47 | 0.171  |  |  |  |  |  |
| 6    | -0.12 | 0.26  | 1.82    | -1.10   | 2.52  | -1.30 | -0.07 | -1.09 | 3.07  | 0.446  |  |  |  |  |  |
| 7    | 0.31  | -0.05 | 0.58    | -2.40   | -1.40 | 0.22  | -1.04 | 2.57  | 0.76  | -0.049 |  |  |  |  |  |
| 8    | 0.35  | -0.23 | 6.45    | 0.44  | 2.40  | 1.24  | 0.58  | -0.66 | 0.14  | 1.190  |  |  |  |  |  |
| 9    | -0.12 | 1.26  | 0.84    | -0.09   | -1.29 | 0.18  | 2.32  | 0.75  | -0.17 | 0.409  |  |  |  |  |  |
| 10   | 0.92  | 1.94  | 0.77    | -1.44   | 3.03  | 1.58  | 2.45  | -1.61 | 0.42  | 0.896  |  |  |  |  |  |
| Mean | 0.89  | 0.46  | 1.21    | -0.81   | 0.90  | 0.37  | 0.40  | -0.16 | 0.46  | 0.41   |  |  |  |  |  |

|   | Score Report For PCONN on Algorithm Verification |           |       |         |              |        |           |  |  |  |  |  |
|---|--|-----------|-------|---------|--------------|--------|-----------|--|--|--|--|--|
| N | P  | Pooled SD | Ideal | Gilbert | Verification | Score  | Norm Diff |  |  |  |  |  |
|   | 0.1  | 0.0012    | 0.012 | 0.011   | 0.012        | 0.040  | -0.875    |  |  |  |  |  |
|   | 0.2  | 0.0027    | 0.071 | 0.081   | 0.082        | -0.307 | 1.105     |  |  |  |  |  |
|   | 0.3  | 0.0040    | 0.194 | 0.219   | 0.217        | -0.101 | 0.918     |  |  |  |  |  |
|   | 0.4  | 0.0043    | 0.363 | 0.402   | 0.402        | 0.179  | 0.988     |  |  |  |  |  |
| 4 | 0.5  | 0.0047    | 0.550 | 0.592   | 0.595        | -0.007 | 1.087     |  |  |  |  |  |
|   | 0.6  | 0.0042    | 0.723 | 0.764   | 0.767        | 0.022  | 1.080     |  |  |  |  |  |
|   | 0.7  | 0.0034    | 0.873 | 0.893   | 0.892        | 0.078  | 0.923     |  |  |  |  |  |
|   | 0.8  | 0.0020    | 0.956 | 0.967   | 0.967        | 0.132  | 0.957     |  |  |  |  |  |
|   | 0.9  | 0.0006    | 0.994 | 0.997   | 0.996        | 0.165  | 0.826     |  |  |  |  |  |

|   | Score Report For PCONN on Algorithm Verification  N D Report SD Ideal Cilbert Verification Score Norm Diff |           |       |         |              |        |           |  |  |  |  |
|---|--|-----------|-------|---------|--------------|--------|-----------|--|--|--|--|
| N | P  | Pooled SD | Ideal | Gilbert | Verification | Score  | Norm Diff |  |  |  |  |
|   | 0.1  | 0.0007    | 0.007 | 0.008   | 0.007        | 0.510  | 0.786     |  |  |  |  |
|   | 0.2  | 0.0026    | 0.072 | 0.086   | 0.082        | 0.542  | 0.660     |  |  |  |  |
|   | 0.3  | 0.0046    | 0.227 | 0.257   | 0.258        | -0.116 | 1.031     |  |  |  |  |
|   | 0.4  | 0.0042    | 0.440 | 0.485   | 0.491        | -0.176 | 1.142     |  |  |  |  |
| 5 | 0.5  | 0.0045    | 0.643 | 0.714   | 0.711        | 0.075  | 0.956     |  |  |  |  |
|   | 0.6  | 0.0035    | 0.817 | 0.865   | 0.873        | -0.107 | 1.153     |  |  |  |  |
|   | 0.7  | 0.0024    | 0.922 | 0.957   | 0.959        | -0.094 | 1.053     |  |  |  |  |
|   | 0.8  | 0.0012    | 0.977 | 0.992   | 0.992        | -0.003 | 1.020     |  |  |  |  |
|   | 0.9  | 0.0003    | 0.998 | 0.999   | 1.000        | -0.164 | 1.108     |  |  |  |  |
|   | 0.1  | 0.0008    | 0.006 | 0.007   | 0.006        | 0.441  | 0.643     |  |  |  |  |
|   | 0.2  | 0.0028    | 0.088 | 0.096   | 0.091        | 1.071  | 0.396     |  |  |  |  |
|   | 0.3  | 0.0045    | 0.284 | 0.320   | 0.314        | 0.291  | 0.821     |  |  |  |  |
|   | 0.4  | 0.0047    | 0.541 | 0.596   | 0.599        | -0.049 | 1.054     |  |  |  |  |
| 6 | 0.5  | 0.0038    | 0.754 | 0.810   | 0.815        | -0.089 | 1.079     |  |  |  |  |
|   | 0.6  | 0.0019    | 0.889 | 0.936   | 0.936        | 0.088  | 1.005     |  |  |  |  |
|   | 0.7  | 0.0018    | 0.961 | 0.987   | 0.985        | 0.085  | 0.917     |  |  |  |  |
|   | 0.8  | 0.0007    | 0.989 | 0.998   | 0.998        | -0.017 | 1.020     |  |  |  |  |
|   | 0.9  | 0.0001    | 0.999 | 1.000   | 1.000        | 0.128  | 0.926     |  |  |  |  |
|   | 0.1  | 0.0006    | 0.005 | 0.005   | 0.005        | 2.073  | 0.143     |  |  |  |  |
|   | 0.2  | 0.0026    | 0.098 | 0.112   | 0.111        | 0.214  | 0.914     |  |  |  |  |
|   | 0.3  | 0.0044    | 0.356 | 0.387   | 0.392        | -0.066 | 1.154     |  |  |  |  |
|   | 0.4  | 0.0055    | 0.645 | 0.703   | 0.695        | 0.280  | 0.861     |  |  |  |  |
| 7 | 0.5  | 0.0026    | 0.846 | 0.888   | 0.891        | 0.027  | 1.078     |  |  |  |  |
|   | 0.6  | 0.0019    | 0.944 | 0.973   | 0.973        | 0.121  | 0.977     |  |  |  |  |
|   | 0.7  | 0.0011    | 0.981 | 0.995   | 0.995        | 0.003  | 0.983     |  |  |  |  |
|   | 0.8  | 0.0004    | 0.994 | 0.999   | 1.000        | 0.008  | 1.006     |  |  |  |  |
|   | 0.9  | 0.0001    | 1.000 | 1.000   | 1.000        | 0.902  | 0.500     |  |  |  |  |
|   | 0.1  | 0.0007    | 0.005 | 0.005   | 0.005        | 0.011  | 1.154     |  |  |  |  |
|   | 0.2  | 0.0033    | 0.119 | 0.139   | 0.142        | -0.121 | 1.175     |  |  |  |  |
|   | 0.3  | 0.0046    | 0.444 | 0.476   | 0.474        | -0.115 | 0.959     |  |  |  |  |
|   | 0.4  | 0.0047    | 0.752 | 0.786   | 0.790        | -0.081 | 1.110     |  |  |  |  |
| 8 | $\mid 0.5 \mid$  | 0.0032    | 0.918 | 0.936   | 0.937        | -0.142 | 1.047     |  |  |  |  |
|   | 0.6  | 0.0012    | 0.977 | 0.986   | 0.987        | -0.037 | 1.114     |  |  |  |  |
|   | 0.7  | 0.0007    | 0.991 | 0.998   | 0.998        | 0.020  | 0.965     |  |  |  |  |
|   | 0.8  | 0.0002    | 0.997 | 1.000   | 1.000        | -0.254 | 1.154     |  |  |  |  |
|   | 0.9  | 0.0001    | 1.000 | 1.000   | 1.000        | -0.000 | 1.000     |  |  |  |  |
|   | 0.1  | 0.0008    | 0.006 | 0.007   | 0.006        | 0.227  | -0.733    |  |  |  |  |
|   | 0.2  | 0.0037    | 0.163 | 0.171   | 0.173        | -0.036 | 1.280     |  |  |  |  |
|   | 0.3  | 0.0040    | 0.541 | 0.562   | 0.574        | -0.461 | 1.555     |  |  |  |  |
|   | 0.4  | 0.0040    | 0.836 | 0.851   | 0.854        | -0.044 | 1.163     |  |  |  |  |
| 9 | $\mid 0.5 \mid$  | 0.0015    | 0.956 | 0.962   | 0.964        | -0.202 | 1.307     |  |  |  |  |

|    |     | Score Repor | t For P | CONN on | Algorithm Ve | erification | n         |
|----|-----|-------------|---------|---------|--------------|-------------|-----------|
| N  | P   | Pooled SD   | Ideal   | Gilbert | Verification | Score       | Norm Diff |
|    | 0.6 | 0.0009      | 0.990   | 0.994   | 0.994        | 0.154       | 1.000     |
|    | 0.7 | 0.0003      | 0.997   | 1.000   | 0.999        | 0.216       | 0.873     |
|    | 0.8 | 0.0002      | 0.999   | 1.000   | 1.000        | -0.208      | 1.148     |
|    | 0.9 | 0.0000      | 1.000   | 1.000   | 1.000        | 0.000       | NaN       |
|    | 0.1 | 0.0007      | 0.005   | 0.006   | 0.006        | 0.030       | 1.077     |
|    | 0.2 | 0.0046      | 0.200   | 0.223   | 0.214        | 0.630       | 0.607     |
|    | 0.3 | 0.0043      | 0.630   | 0.644   | 0.648        | -0.252      | 1.364     |
|    | 0.4 | 0.0028      | 0.895   | 0.903   | 0.903        | 0.117       | 0.942     |
| 10 | 0.5 | 0.0014      | 0.978   | 0.981   | 0.980        | 0.635       | 0.651     |
|    | 0.6 | 0.0005      | 0.996   | 0.998   | 0.997        | 0.437       | 0.683     |
|    | 0.7 | 0.0002      | 1.000   | 1.000   | 1.000        | -0.110      | 1.100     |
|    | 0.8 | 0.0001      | 1.000   | 1.000   | 1.000        | -0.000      | 1.000     |
|    | 0.9 | 0.0000      | 1.000   | 1.000   | 1.000        | -0.000      | 1.000     |

|      |      | Score                           | Report | For PC | ONN on | Algorith | nm Verif | cation |       |        |  |  |
|------|------|---------------------------------|--------|--------|--------|----------|----------|--------|-------|--------|--|--|
|      | Р    |                                 |        |        |        |          |          |        |       |        |  |  |
| N    | .1   | .1 .2 .3 .4 .5 .6 .7 .8 .9 Mean |        |        |        |          |          |        |       |        |  |  |
| 4    | 0.04 | -0.31                           | -0.10  | 0.18   | -0.01  | 0.02     | 0.08     | 0.13   | 0.16  | 0.022  |  |  |
| 5    | 0.51 | 0.54                            | -0.12  | -0.18  | 0.08   | -0.11    | -0.09    | -0.00  | -0.16 | 0.052  |  |  |
| 6    | 0.44 | 1.07                            | 0.29   | -0.05  | -0.09  | 0.09     | 0.09     | -0.02  | 0.13  | 0.217  |  |  |
| 7    | 2.07 | 0.21                            | -0.07  | 0.28   | 0.03   | 0.12     | 0.00     | 0.01   | 0.90  | 0.396  |  |  |
| 8    | 0.01 | -0.12                           | -0.11  | -0.08  | -0.14  | -0.04    | 0.02     | -0.25  | -0.00 | -0.080 |  |  |
| 9    | 0.23 | -0.04                           | -0.46  | -0.04  | -0.20  | 0.15     | 0.22     | -0.21  | 0.00  | -0.039 |  |  |
| 10   | 0.03 | 0.63                            | -0.25  | 0.12   | 0.64   | 0.44     | -0.11    | -0.00  | -0.00 | 0.165  |  |  |
| Mean | 0.48 | 0.28                            | -0.12  | 0.03   | 0.04   | 0.10     | 0.03     | -0.05  | 0.15  | 0.10   |  |  |

|   |     | Score Repo | rt For A | ANCC on | Algorithm Ver | rification |           |
|---|-----|------------|----------|---------|---------------|------------|-----------|
| N | P   | Pooled SD  | Ideal    | Gilbert | Verification  | Score      | Norm Diff |
|   | 0.1 | 0.0062     | 3.403    | 3.419   | 3.398         | 1.065      | -0.322    |
|   | 0.2 | 0.0092     | 2.850    | 2.834   | 2.831         | -0.358     | 1.204     |
|   | 0.3 | 0.0088     | 2.336    | 2.315   | 2.320         | 0.145      | 0.766     |
|   | 0.4 | 0.0086     | 1.915    | 1.879   | 1.878         | -0.004     | 1.018     |
| 4 | 0.5 | 0.0069     | 1.576    | 1.533   | 1.528         | 0.068      | 1.110     |
|   | 0.6 | 0.0051     | 1.324    | 1.281   | 1.276         | 0.041      | 1.110     |
|   | 0.7 | 0.0041     | 1.138    | 1.117   | 1.120         | 0.147      | 0.875     |
|   | 0.8 | 0.0021     | 1.045    | 1.034   | 1.035         | 0.050      | 0.960     |
|   | 0.9 | 0.0006     | 1.006    | 1.003   | 1.004         | 0.238      | 0.783     |
|   | 0.1 | 0.0093     | 4.022    | 4.024   | 4.011         | -2.041     | -8.300    |
|   | 0.2 | 0.0096     | 3.129    | 3.105   | 3.090         | -0.440     | 1.604     |
|   | 0.3 | 0.0101     | 2.401    | 2.329   | 2.332         | 0.142      | 0.955     |

|   | Score Report For ANCC on Algorithm Verification  N D Decled SD Ideal Cilbert Verification Score Norm Diff |           |       |         |              |        |           |  |  |  |  |
|---|---|-----------|-------|---------|--------------|--------|-----------|--|--|--|--|
| N | P   | Pooled SD | Ideal | Gilbert | Verification | Score  | Norm Diff |  |  |  |  |
|   | 0.4   | 0.0072    | 1.834 | 1.747   | 1.743        | -0.041 | 1.052     |  |  |  |  |
|   | 0.5   | 0.0070    | 1.455 | 1.365   | 1.365        | -0.025 | 0.996     |  |  |  |  |
|   | 0.6   | 0.0044    | 1.208 | 1.154   | 1.144        | -0.111 | 1.190     |  |  |  |  |
|   | 0.7   | 0.0026    | 1.082 | 1.045   | 1.044        | -0.096 | 1.037     |  |  |  |  |
|   | 0.8   | 0.0012    | 1.023 | 1.008   | 1.008        | -0.001 | 1.015     |  |  |  |  |
|   | 0.9   | 0.0003    | 1.002 | 1.001   | 1.000        | -0.164 | 1.108     |  |  |  |  |
|   | 0.1   | 0.0109    | 4.559 | 4.523   | 4.518        | -0.056 | 1.124     |  |  |  |  |
|   | 0.2   | 0.0133    | 3.261 | 3.215   | 3.212        | -0.032 | 1.086     |  |  |  |  |
|   | 0.3   | 0.0097    | 2.305 | 2.189   | 2.215        | 0.299  | 0.770     |  |  |  |  |
|   | 0.4   | 0.0069    | 1.655 | 1.569   | 1.556        | -0.092 | 1.145     |  |  |  |  |
| 6 | 0.5   | 0.0051    | 1.301 | 1.227   | 1.219        | -0.084 | 1.106     |  |  |  |  |
|   | 0.6   | 0.0021    | 1.119 | 1.069   | 1.069        | 0.074  | 1.011     |  |  |  |  |
|   | 0.7   | 0.0018    | 1.039 | 1.013   | 1.015        | 0.077  | 0.917     |  |  |  |  |
|   | 0.8   | 0.0007    | 1.011 | 1.002   | 1.002        | -0.017 | 1.020     |  |  |  |  |
|   | 0.9   | 0.0001    | 1.001 | 1.000   | 1.000        | 0.128  | 0.926     |  |  |  |  |
|   | 0.1   | 0.0123    | 4.990 | 4.949   | 4.940        | -0.314 | 1.203     |  |  |  |  |
|   | 0.2   | 0.0132    | 3.341 | 3.197   | 3.211        | 0.137  | 0.902     |  |  |  |  |
|   | 0.3   | 0.0098    | 2.134 | 2.045   | 2.025        | -0.284 | 1.227     |  |  |  |  |
|   | 0.4   | 0.0085    | 1.489 | 1.380   | 1.395        | 0.243  | 0.866     |  |  |  |  |
| 7 | 0.5   | 0.0031    | 1.178 | 1.125   | 1.120        | -0.026 | 1.092     |  |  |  |  |
|   | 0.6   | 0.0019    | 1.060 | 1.028   | 1.028        | 0.066  | 0.988     |  |  |  |  |
|   | 0.7   | 0.0011    | 1.020 | 1.005   | 1.006        | 0.011  | 0.979     |  |  |  |  |
|   | 0.8   | 0.0004    | 1.006 | 1.001   | 1.000        | 0.008  | 1.006     |  |  |  |  |
|   | 0.9   | 0.0001    | 1.000 | 1.000   | 1.000        | 0.902  | 0.500     |  |  |  |  |
|   | 0.1   | 0.0178    | 5.369 | 5.286   | 5.280        | -0.187 | 1.076     |  |  |  |  |
|   | 0.2   | 0.0142    | 3.296 | 3.104   | 3.097        | -0.073 | 1.039     |  |  |  |  |
|   | 0.3   | 0.0092    | 1.946 | 1.829   | 1.824        | -0.093 | 1.041     |  |  |  |  |
|   | 0.4   | 0.0065    | 1.324 | 1.255   | 1.254        | -0.027 | 1.016     |  |  |  |  |
| 8 | 0.5   | 0.0036    | 1.091 | 1.068   | 1.066        | -0.163 | 1.071     |  |  |  |  |
|   | 0.6   | 0.0013    | 1.025 | 1.014   | 1.013        | -0.046 | 1.116     |  |  |  |  |
|   | 0.7   | 0.0007    | 1.009 | 1.002   | 1.002        | 0.020  | 0.965     |  |  |  |  |
|   | 0.8   | 0.0002    | 1.003 | 1.000   | 1.000        | -0.254 | 1.154     |  |  |  |  |
|   | 0.9   | 0.0001    | 1.000 | 1.000   | 1.000        | -0.000 | 1.000     |  |  |  |  |
|   | 0.1   | 0.0143    | 5.662 | 5.520   | 5.526        | -0.005 | 0.960     |  |  |  |  |
|   | 0.2   | 0.0138    | 3.148 | 2.942   | 2.922        | 0.013  | 1.096     |  |  |  |  |
|   | 0.3   | 0.0069    | 1.727 | 1.639   | 1.608        | -0.346 | 1.357     |  |  |  |  |
|   | 0.4   | 0.0046    | 1.199 | 1.168   | 1.165        | 0.031  | 1.103     |  |  |  |  |
| 9 | 0.5   | 0.0016    | 1.047 | 1.039   | 1.037        | -0.157 | 1.222     |  |  |  |  |
|   | 0.6   | 0.0009    | 1.010 | 1.006   | 1.006        | 0.152  | 0.991     |  |  |  |  |
|   | 0.7   | 0.0003    | 1.003 | 1.000   | 1.001        | 0.216  | 0.873     |  |  |  |  |
|   | 0.8   | 0.0002    | 1.001 | 1.000   | 1.000        | -0.208 | 1.148     |  |  |  |  |

|    |     | Score Repo | ort For A | Score Report For ANCC on Algorithm Verification |              |        |           |  |  |  |  |  |  |  |
|----|-----|------------|-----------|---|--------------|--------|-----------|--|--|--|--|--|--|--|
| N  | P   | Pooled SD  | Ideal     | Gilbert   | Verification | Score  | Norm Diff |  |  |  |  |  |  |  |
|    | 0.9 | 0.0000     | 1.000     | 1.000   | 1.000        | 0.000  | NaN       |  |  |  |  |  |  |  |
|    | 0.1 | 0.0149     | 5.937     | 5.696   | 5.692        | 0.109  | 1.019     |  |  |  |  |  |  |  |
|    | 0.2 | 0.0144     | 2.977     | 2.694   | 2.720        | 0.167  | 0.910     |  |  |  |  |  |  |  |
|    | 0.3 | 0.0080     | 1.553     | 1.474   | 1.470        | -0.044 | 1.041     |  |  |  |  |  |  |  |
|    | 0.4 | 0.0032     | 1.122     | 1.105   | 1.106        | 0.096  | 0.965     |  |  |  |  |  |  |  |
| 10 | 0.5 | 0.0014     | 1.023     | 1.019   | 1.020        | 0.522  | 0.714     |  |  |  |  |  |  |  |
|    | 0.6 | 0.0005     | 1.004     | 1.002   | 1.003        | 0.437  | 0.683     |  |  |  |  |  |  |  |
|    | 0.7 | 0.0002     | 1.000     | 1.000   | 1.000        | -0.110 | 1.100     |  |  |  |  |  |  |  |
|    | 0.8 | 0.0001     | 1.000     | 1.000   | 1.000        | -0.000 | 1.000     |  |  |  |  |  |  |  |
|    | 0.9 | 0.0000     | 1.000     | 1.000   | 1.000        | -0.000 | 1.000     |  |  |  |  |  |  |  |

|      |       | Score | Report | For AN | CC on A | Algorithi | n Verific | ation |       |        |  |
|------|-------|-------|--------|--------|---------|-----------|-----------|-------|-------|--------|--|
| P    |       |       |        |        |         |           |           |       |       |        |  |
| N    | .1    | .2    | .3     | .4     | .5      | .6        | .7        | .8    | .9    | Mean   |  |
| 4    | 1.07  | -0.36 | 0.15   | -0.00  | 0.07    | 0.04      | 0.15      | 0.05  | 0.24  | 0.155  |  |
| 5    | -2.04 | -0.44 | 0.14   | -0.04  | -0.02   | -0.11     | -0.10     | -0.00 | -0.16 | -0.308 |  |
| 6    | -0.06 | -0.03 | 0.30   | -0.09  | -0.08   | 0.07      | 0.08      | -0.02 | 0.13  | 0.033  |  |
| 7    | -0.31 | 0.14  | -0.28  | 0.24   | -0.03   | 0.07      | 0.01      | 0.01  | 0.90  | 0.083  |  |
| 8    | -0.19 | -0.07 | -0.09  | -0.03  | -0.16   | -0.05     | 0.02      | -0.25 | -0.00 | -0.091 |  |
| 9    | -0.00 | 0.01  | -0.35  | 0.03   | -0.16   | 0.15      | 0.22      | -0.21 | 0.00  | -0.034 |  |
| 10   | 0.11  | 0.17  | -0.04  | 0.10   | 0.52    | 0.44      | -0.11     | -0.00 | -0.00 | 0.131  |  |
| Mean | -0.20 | -0.08 | -0.03  | 0.03   | 0.02    | 0.09      | 0.04      | -0.06 | 0.16  | -0.00  |  |

|   |     | Score Repo | ort For N | ICCV on | Algorithm Ver | rification |           |
|---|-----|------------|-----------|---------|---------------|------------|-----------|
| N | Р   | Pooled SD  | Ideal     | Gilbert | Verification  | Score      | Norm Diff |
|   | 0.1 | 0.0073     | 0.524     | 0.509   | 0.521         | 1.587      | 0.164     |
|   | 0.2 | 0.0087     | 0.791     | 0.823   | 0.821         | -0.045     | 0.926     |
|   | 0.3 | 0.0085     | 0.843     | 0.889   | 0.888         | -0.125     | 0.978     |
|   | 0.4 | 0.0095     | 0.727     | 0.764   | 0.759         | 0.099      | 0.851     |
| 4 | 0.5 | 0.0081     | 0.531     | 0.530   | 0.525         | -1.405     | 4.314     |
|   | 0.6 | 0.0063     | 0.323     | 0.299   | 0.294         | -0.036     | 1.209     |
|   | 0.7 | 0.0051     | 0.143     | 0.126   | 0.131         | 0.425      | 0.706     |
|   | 0.8 | 0.0026     | 0.046     | 0.037   | 0.037         | -0.286     | 1.007     |
|   | 0.9 | 0.0006     | 0.006     | 0.003   | 0.004         | 0.436      | 0.695     |
|   | 0.1 | 0.0106     | 0.810     | 0.838   | 0.850         | -0.301     | 1.454     |
|   | 0.2 | 0.0141     | 1.159     | 1.266   | 1.237         | 0.431      | 0.728     |
|   | 0.3 | 0.0104     | 1.115     | 1.152   | 1.159         | -0.138     | 1.185     |
|   | 0.4 | 0.0097     | 0.807     | 0.763   | 0.770         | -0.026     | 0.848     |
| 5 | 0.5 | 0.0100     | 0.465     | 0.415   | 0.408         | -0.219     | 1.139     |
|   | 0.6 | 0.0061     | 0.218     | 0.175   | 0.161         | -0.134     | 1.310     |

| Score Report For NCCV on Algorithm Verification  N   P   Pooled SD   Ideal   Cilbert   Verification   Score   Norm Dif |     |           |       |         |              |        |           |  |  |
|--|-----|-----------|-------|---------|--------------|--------|-----------|--|--|
| N  | P   | Pooled SD | Ideal | Gilbert | Verification | Score  | Norm Diff |  |  |
|  | 0.7 | 0.0032    | 0.084 | 0.048   | 0.047        | -0.072 | 1.003     |  |  |
|  | 0.8 | 0.0013    | 0.023 | 0.008   | 0.008        | 0.009  | 1.006     |  |  |
|  | 0.9 | 0.0003    | 0.002 | 0.001   | 0.000        | -0.164 | 1.108     |  |  |
|  | 0.1 | 0.0167    | 1.174 | 1.255   | 1.237        | 0.014  | 0.776     |  |  |
|  | 0.2 | 0.0153    | 1.580 | 1.658   | 1.614        | 0.893  | 0.433     |  |  |
|  | 0.3 | 0.0161    | 1.261 | 1.217   | 1.237        | 0.463  | 0.553     |  |  |
|  | 0.4 | 0.0132    | 0.722 | 0.668   | 0.635        | -0.414 | 1.605     |  |  |
| 6  | 0.5 | 0.0080    | 0.337 | 0.261   | 0.249        | -0.018 | 1.166     |  |  |
|  | 0.6 | 0.0030    | 0.122 | 0.075   | 0.074        | 0.034  | 1.022     |  |  |
|  | 0.7 | 0.0018    | 0.040 | 0.013   | 0.015        | 0.084  | 0.912     |  |  |
|  | 0.8 | 0.0007    | 0.011 | 0.002   | 0.002        | -0.017 | 1.020     |  |  |
|  | 0.9 | 0.0001    | 0.001 | 0.000   | 0.000        | 0.128  | 0.926     |  |  |
|  | 0.1 | 0.0195    | 1.564 | 1.683   | 1.667        | 0.264  | 0.864     |  |  |
|  | 0.2 | 0.0206    | 1.922 | 1.937   | 1.932        | 0.394  | 0.668     |  |  |
|  | 0.3 | 0.0156    | 1.263 | 1.204   | 1.172        | -0.421 | 1.556     |  |  |
|  | 0.4 | 0.0145    | 0.590 | 0.438   | 0.458        | 0.217  | 0.867     |  |  |
| 7  | 0.5 | 0.0050    | 0.201 | 0.140   | 0.132        | -0.098 | 1.131     |  |  |
|  | 0.6 | 0.0021    | 0.064 | 0.029   | 0.029        | -0.023 | 1.005     |  |  |
|  | 0.7 | 0.0012    | 0.020 | 0.005   | 0.006        | 0.031  | 0.971     |  |  |
|  | 0.8 | 0.0004    | 0.006 | 0.001   | 0.000        | 0.008  | 1.007     |  |  |
|  | 0.9 | 0.0001    | 0.000 | 0.000   | 0.000        | 0.902  | 0.500     |  |  |
|  | 0.1 | 0.0262    | 2.000 | 2.183   | 2.179        | -0.004 | 0.975     |  |  |
|  | 0.2 | 0.0250    | 2.241 | 2.119   | 2.145        | 0.237  | 0.786     |  |  |
|  | 0.3 | 0.0184    | 1.180 | 1.005   | 0.983        | -0.019 | 1.129     |  |  |
|  | 0.4 | 0.0104    | 0.410 | 0.286   | 0.294        | 0.009  | 0.942     |  |  |
| 8  | 0.5 | 0.0044    | 0.102 | 0.073   | 0.069        | -0.205 | 1.107     |  |  |
|  | 0.6 | 0.0017    | 0.027 | 0.015   | 0.013        | -0.073 | 1.120     |  |  |
|  | 0.7 | 0.0007    | 0.008 | 0.002   | 0.002        | 0.019  | 0.964     |  |  |
|  | 0.8 | 0.0002    | 0.003 | 0.000   | 0.000        | -0.255 | 1.154     |  |  |
|  | 0.9 | 0.0001    | 0.000 | 0.000   | 0.000        | -0.000 | 1.000     |  |  |
|  | 0.1 | 0.0327    | 2.511 | 2.624   | 2.671        | -0.333 | 1.414     |  |  |
|  | 0.2 | 0.0284    | 2.468 | 2.162   | 2.126        | 0.054  | 1.119     |  |  |
|  | 0.3 | 0.0151    | 0.969 | 0.780   | 0.728        | -0.142 | 1.280     |  |  |
|  | 0.4 | 0.0066    | 0.245 | 0.183   | 0.179        | 0.050  | 1.071     |  |  |
| 9  | 0.5 | 0.0023    | 0.051 | 0.040   | 0.039        | -0.119 | 1.123     |  |  |
|  | 0.6 | 0.0010    | 0.010 | 0.006   | 0.006        | 0.151  | 0.977     |  |  |
|  | 0.7 | 0.0003    | 0.003 | 0.000   | 0.001        | 0.217  | 0.873     |  |  |
|  | 0.8 | 0.0002    | 0.001 | 0.000   | 0.000        | -0.209 | 1.148     |  |  |
|  | 0.9 | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000  | NaN       |  |  |
|  | 0.1 | 0.0362    | 2.986 | 3.167   | 3.162        | 0.104  | 0.973     |  |  |
|  | 0.2 | 0.0302    | 2.493 | 2.047   | 2.007        | -0.037 | 1.090     |  |  |

|   | Score Report For NCCV on Algorithm Verification |           |       |         |              |        |           |  |  |  |  |  |
|---|---|-----------|-------|---------|--------------|--------|-----------|--|--|--|--|--|
| N | P   | Pooled SD | Ideal | Gilbert | Verification | Score  | Norm Diff |  |  |  |  |  |
|   | 0.3   | 0.0153    | 0.762 | 0.545   | 0.557        | 0.008  | 0.945     |  |  |  |  |  |
|   | 0.4   | 0.0045    | 0.147 | 0.113   | 0.114        | 0.045  | 0.977     |  |  |  |  |  |
|   | 0.5   | 0.0014    | 0.025 | 0.019   | 0.020        | 0.337  | 0.794     |  |  |  |  |  |
|   | 0.6   | 0.0005    | 0.004 | 0.002   | 0.003        | 0.437  | 0.682     |  |  |  |  |  |
|   | 0.7   | 0.0002    | 0.000 | 0.000   | 0.000        | -0.110 | 1.100     |  |  |  |  |  |
|   | 0.8   | 0.0001    | 0.000 | 0.000   | 0.000        | -0.000 | 1.000     |  |  |  |  |  |
|   | 0.9   | 0.0000    | 0.000 | 0.000   | 0.000        | -0.000 | 1.000     |  |  |  |  |  |

|      |       | Score | e Report | For NC | CV on A | Algorithr | n Verific | ation |       | Score Report For NCCV on Algorithm Verification |  |  |  |  |  |  |  |  |  |  |  |
|------|-------|-------|----------|--------|---------|-----------|-----------|-------|-------|---|--|--|--|--|--|--|--|--|--|--|--|
|      | P     |       |          |        |         |           |           |       |       |   |  |  |  |  |  |  |  |  |  |  |  |
| N    | .1    | .2    | .3       | .4     | .5      | .6        | .7        | .8    | .9    | Mean  |  |  |  |  |  |  |  |  |  |  |  |
| 4    | 1.59  | -0.05 | -0.13    | 0.10   | -1.41   | -0.04     | 0.43      | -0.29 | 0.44  | 0.072   |  |  |  |  |  |  |  |  |  |  |  |
| 5    | -0.30 | 0.43  | -0.14    | -0.03  | -0.22   | -0.13     | -0.07     | 0.01  | -0.16 | -0.068  |  |  |  |  |  |  |  |  |  |  |  |
| 6    | 0.01  | 0.89  | 0.46     | -0.41  | -0.02   | 0.03      | 0.08      | -0.02 | 0.13  | 0.130   |  |  |  |  |  |  |  |  |  |  |  |
| 7    | 0.26  | 0.39  | -0.42    | 0.22   | -0.10   | -0.02     | 0.03      | 0.01  | 0.90  | 0.142   |  |  |  |  |  |  |  |  |  |  |  |
| 8    | -0.00 | 0.24  | -0.02    | 0.01   | -0.21   | -0.07     | 0.02      | -0.25 | -0.00 | -0.032  |  |  |  |  |  |  |  |  |  |  |  |
| 9    | -0.33 | 0.05  | -0.14    | 0.05   | -0.12   | 0.15      | 0.22      | -0.21 | 0.00  | -0.037  |  |  |  |  |  |  |  |  |  |  |  |
| 10   | 0.10  | -0.04 | 0.01     | 0.04   | 0.34    | 0.44      | -0.11     | -0.00 | -0.00 | 0.087   |  |  |  |  |  |  |  |  |  |  |  |
| Mean | 0.19  | 0.28  | -0.05    | -0.00  | -0.25   | 0.05      | 0.08      | -0.11 | 0.19  | 0.04  |  |  |  |  |  |  |  |  |  |  |  |

|   |                 | Score Repor | rt For A | DIAM on | Algorithm Ve | rification | ı         |
|---|-----------------|-------------|----------|---------|--------------|------------|-----------|
| N | P               | Pooled SD   | Ideal    | Gilbert | Verification | Score      | Norm Diff |
|   | 0.1             | 0.0548      | 2.434    | 2.680   | 2.635        | 0.303      | 0.818     |
|   | 0.2             | 0.0192      | 2.369    | 2.606   | 2.603        | 0.086      | 0.986     |
|   | 0.3             | 0.0104      | 2.313    | 2.509   | 2.499        | 0.226      | 0.948     |
|   | 0.4             | 0.0079      | 2.247    | 2.402   | 2.404        | -0.220     | 1.017     |
| 4 | $\mid 0.5 \mid$ | 0.0062      | 2.162    | 2.283   | 2.293        | 0.173      | 1.081     |
|   | 0.6             | 0.0060      | 2.058    | 2.156   | 2.153        | -0.037     | 0.963     |
|   | 0.7             | 0.0053      | 1.939    | 1.989   | 1.993        | -0.093     | 1.074     |
|   | 0.8             | 0.0058      | 1.753    | 1.777   | 1.781        | -0.283     | 1.158     |
|   | 0.9             | 0.0054      | 1.474    | 1.481   | 1.476        | 1.066      | 0.321     |
|   | 0.1             | 0.0910      | 2.735    | 3.326   | 3.253        | 0.219      | 0.877     |
|   | 0.2             | 0.0242      | 2.814    | 3.150   | 3.161        | 0.108      | 1.033     |
|   | 0.3             | 0.0131      | 2.699    | 2.991   | 2.995        | -0.076     | 1.013     |
|   | 0.4             | 0.0090      | 2.566    | 2.806   | 2.806        | 0.045      | 1.001     |
| 5 | 0.5             | 0.0071      | 2.394    | 2.567   | 2.575        | 0.048      | 1.042     |
|   | 0.6             | 0.0054      | 2.231    | 2.340   | 2.352        | -0.115     | 1.108     |
|   | 0.7             | 0.0047      | 2.084    | 2.144   | 2.140        | -0.040     | 0.942     |
|   | 0.8             | 0.0040      | 1.920    | 1.941   | 1.942        | -0.168     | 1.069     |
|   | 0.9             | 0.0049      | 1.657    | 1.657   | 1.656        | 0.569      | -0.505    |

| Score Report For ADIAM on Algorithm Verification  N P Pooled SD Ideal Gilbert Verification Score Norm Diff |                 |           |       |         |              |        |           |  |  |  |
|--|-----------------|-----------|-------|---------|--------------|--------|-----------|--|--|--|
| N  | P               | Pooled SD | Ideal | Gilbert | Verification | Score  | Norm Diff |  |  |  |
|  | 0.1             | 0.1039    | 3.246 | 3.950   | 3.885        | 0.118  | 0.908     |  |  |  |
|  | 0.2             | 0.0265    | 3.300 | 3.652   | 3.669        | 0.010  | 1.049     |  |  |  |
|  | 0.3             | 0.0135    | 3.115 | 3.387   | 3.373        | 0.111  | 0.949     |  |  |  |
|  | 0.4             | 0.0096    | 2.880 | 3.061   | 3.068        | 0.215  | 1.041     |  |  |  |
| 6  | 0.5             | 0.0076    | 2.612 | 2.727   | 2.729        | 0.077  | 1.016     |  |  |  |
|  | 0.6             | 0.0062    | 2.353 | 2.403   | 2.398        | 0.036  | 0.912     |  |  |  |
|  | 0.7             | 0.0039    | 2.137 | 2.153   | 2.150        | 0.306  | 0.775     |  |  |  |
|  | 0.8             | 0.0020    | 1.997 | 1.996   | 1.997        | 1.774  | 0.170     |  |  |  |
|  | 0.9             | 0.0050    | 1.797 | 1.792   | 1.796        | 1.741  | 0.174     |  |  |  |
|  | 0.1             | 0.1136    | 3.712 | 4.421   | 4.520        | -0.220 | 1.140     |  |  |  |
|  | 0.2             | 0.0259    | 3.653 | 4.016   | 4.049        | -0.296 | 1.093     |  |  |  |
|  | 0.3             | 0.0154    | 3.414 | 3.649   | 3.653        | -0.135 | 1.019     |  |  |  |
|  | 0.4             | 0.0097    | 3.078 | 3.231   | 3.220        | 0.006  | 0.926     |  |  |  |
| 7  | 0.5             | 0.0078    | 2.701 | 2.770   | 2.779        | -0.366 | 1.133     |  |  |  |
|  | 0.6             | 0.0065    | 2.378 | 2.378   | 2.387        | -5.898 | 356.547   |  |  |  |
|  | 0.7             | 0.0034    | 2.131 | 2.121   | 2.124        | 0.310  | 0.712     |  |  |  |
|  | 0.8             | 0.0016    | 2.015 | 2.010   | 2.009        | 0.087  | 1.043     |  |  |  |
|  | 0.9             | 0.0026    | 1.895 | 1.891   | 1.892        | 0.426  | 0.745     |  |  |  |
|  | 0.1             | 0.1340    | 4.277 | 4.904   | 5.096        | -0.213 | 1.306     |  |  |  |
|  | 0.2             | 0.0214    | 4.035 | 4.362   | 4.364        | 0.070  | 1.007     |  |  |  |
|  | 0.3             | 0.0133    | 3.654 | 3.827   | 3.812        | -0.052 | 0.913     |  |  |  |
|  | 0.4             | 0.0082    | 3.204 | 3.269   | 3.277        | -0.163 | 1.112     |  |  |  |
| 8  | 0.5             | 0.0076    | 2.756 | 2.773   | 2.764        | 0.611  | 0.497     |  |  |  |
|  | 0.6             | 0.0051    | 2.355 | 2.340   | 2.340        | 0.060  | 0.995     |  |  |  |
|  | 0.7             | 0.0030    | 2.115 | 2.094   | 2.092        | -0.132 | 1.111     |  |  |  |
|  | 0.8             | 0.0010    | 2.016 | 2.006   | 2.008        | 0.125  | 0.890     |  |  |  |
|  | 0.9             | 0.0026    | 1.948 | 1.949   | 1.948        | 0.791  | -0.364    |  |  |  |
|  | 0.1             | 0.1623    | 4.611 | 5.119   | 5.228        | -0.145 | 1.215     |  |  |  |
|  | 0.2             | 0.0221    | 4.333 | 4.593   | 4.615        | -0.164 | 1.084     |  |  |  |
|  | 0.3             | 0.0144    | 3.772 | 3.899   | 3.904        | -0.058 | 1.039     |  |  |  |
|  | 0.4             | 0.0081    | 3.240 | 3.251   | 3.276        | -1.226 | 3.129     |  |  |  |
| 9  | $\mid 0.5 \mid$ | 0.0059    | 2.740 | 2.738   | 2.741        | -0.501 | -1.513    |  |  |  |
|  | 0.6             | 0.0059    | 2.318 | 2.313   | 2.307        | -0.991 | 2.226     |  |  |  |
|  | 0.7             | 0.0026    | 2.088 | 2.068   | 2.068        | -0.098 | 0.977     |  |  |  |
|  | 0.8             | 0.0008    | 2.012 | 2.004   | 2.004        | 0.083  | 0.966     |  |  |  |
|  | 0.9             | 0.0014    | 1.979 | 1.978   | 1.977        | -0.409 | 1.667     |  |  |  |
|  | 0.1             | 0.1539    | 4.873 | 5.608   | 5.625        | 0.095  | 1.024     |  |  |  |
|  | 0.2             | 0.0216    | 4.516 | 4.756   | 4.779        | -0.049 | 1.096     |  |  |  |
|  | 0.3             | 0.0102    | 3.843 | 3.925   | 3.914        | 0.257  | 0.873     |  |  |  |
|  | 0.4             | 0.0060    | 3.219 | 3.233   | 3.231        | 0.058  | 0.855     |  |  |  |
| 10   | $\mid 0.5 \mid$ | 0.0058    | 2.707 | 2.699   | 2.698        | -0.097 | 1.135     |  |  |  |

| Score Report For ADIAM on Algorithm Verification |                 |           |       |         |              |        |           |  |  |  |
|--|-----------------|-----------|-------|---------|--------------|--------|-----------|--|--|--|
| N  | Р               | Pooled SD | Ideal | Gilbert | Verification | Score  | Norm Diff |  |  |  |
|  | 0.6             | 0.0049    | 2.284 | 2.261   | 2.262        | -0.086 | 0.980     |  |  |  |
|  | $\mid 0.7 \mid$ | 0.0019    | 2.058 | 2.045   | 2.046        | 0.351  | 0.912     |  |  |  |
|  | 0.8             | 0.0006    | 2.006 | 2.002   | 2.002        | 0.049  | 1.029     |  |  |  |
|  | 0.9             | 0.0010    | 1.990 | 1.990   | 1.992        | -2.051 | -7.189    |  |  |  |

|      |  | Score | Report | For AD | IAM on | Algorith | m Verifi | cation |       |        |  |  |
|------|--|-------|--------|--------|--------|----------|----------|--------|-------|--------|--|--|
|      | P  |       |        |        |        |          |          |        |       |        |  |  |
| N    | .1   | .2    | .3     | .4     | .5     | .6       | .7       | .8     | .9    | Mean   |  |  |
| 4    | 0.30   | 0.09  | 0.23   | -0.22  | 0.17   | -0.04    | -0.09    | -0.28  | 1.07  | 0.136  |  |  |
| 5    | 5   0.22   0.11   -0.08   0.04   0.05   -0.12   -0.04   -0.17   0.57   0.065 |       |        |        |        |          |          |        |       |        |  |  |
| 6    | 0.12   | 0.01  | 0.11   | 0.21   | 0.08   | 0.04     | 0.31     | 1.77   | 1.74  | 0.487  |  |  |
| 7    | -0.22  | -0.30 | -0.13  | 0.01   | -0.37  | -5.90    | 0.31     | 0.09   | 0.43  | -0.676 |  |  |
| 8    | -0.21  | 0.07  | -0.05  | -0.16  | 0.61   | 0.06     | -0.13    | 0.12   | 0.79  | 0.122  |  |  |
| 9    | -0.14  | -0.16 | -0.06  | -1.23  | -0.50  | -0.99    | -0.10    | 0.08   | -0.41 | -0.390 |  |  |
| 10   | 0.10   | -0.05 | 0.26   | 0.06   | -0.10  | -0.09    | 0.35     | 0.05   | -2.05 | -0.164 |  |  |
| Mean | 0.02   | -0.03 | 0.04   | -0.18  | -0.01  | -1.00    | 0.09     | 0.24   | 0.30  | -0.06  |  |  |

| Score Report For DIAMV on Algorithm Verification  N   P   Pooled SD   Ideal   Gilbert   Verification   Score   Norm Diff |     |           |       |         |              |        |           |  |  |  |
|--|-----|-----------|-------|---------|--------------|--------|-----------|--|--|--|
| N  | P   | Pooled SD | Ideal | Gilbert | Verification | Score  | Norm Diff |  |  |  |
|  | 0.1 | 0.0199    | 0.238 | 0.215   | 0.217        | -0.123 | 0.904     |  |  |  |
|  | 0.2 | 0.0054    | 0.233 | 0.241   | 0.240        | 0.169  | 0.841     |  |  |  |
|  | 0.3 | 0.0033    | 0.223 | 0.257   | 0.257        | -0.053 | 1.024     |  |  |  |
|  | 0.4 | 0.0032    | 0.216 | 0.263   | 0.266        | -0.022 | 1.060     |  |  |  |
| 4  | 0.5 | 0.0038    | 0.191 | 0.257   | 0.257        | 0.106  | 1.002     |  |  |  |
|  | 0.6 | 0.0045    | 0.192 | 0.255   | 0.249        | -0.053 | 0.905     |  |  |  |
|  | 0.7 | 0.0047    | 0.198 | 0.255   | 0.257        | -0.050 | 1.033     |  |  |  |
|  | 0.8 | 0.0038    | 0.239 | 0.273   | 0.275        | -0.025 | 1.063     |  |  |  |
|  | 0.9 | 0.0021    | 0.259 | 0.266   | 0.269        | -0.339 | 1.344     |  |  |  |
|  | 0.1 | 0.0862    | 0.498 | 0.372   | 0.458        | 1.468  | 0.321     |  |  |  |
|  | 0.2 | 0.0179    | 0.591 | 0.404   | 0.432        | 0.169  | 0.850     |  |  |  |
|  | 0.3 | 0.0114    | 0.508 | 0.441   | 0.460        | 0.211  | 0.717     |  |  |  |
|  | 0.4 | 0.0071    | 0.441 | 0.445   | 0.453        | -1.096 | 3.062     |  |  |  |
| 5  | 0.5 | 0.0070    | 0.346 | 0.417   | 0.413        | -0.145 | 0.953     |  |  |  |
|  | 0.6 | 0.0049    | 0.238 | 0.312   | 0.321        | -0.041 | 1.118     |  |  |  |
|  | 0.7 | 0.0052    | 0.149 | 0.198   | 0.200        | -0.106 | 1.036     |  |  |  |
|  | 0.8 | 0.0034    | 0.139 | 0.153   | 0.157        | -0.286 | 1.294     |  |  |  |
|  | 0.9 | 0.0018    | 0.231 | 0.233   | 0.233        | 0.010  | 0.806     |  |  |  |
|  | 0.1 | 0.1287    | 0.703 | 0.496   | 0.464        | -0.194 | 1.157     |  |  |  |
|  | 0.2 | 0.0197    | 0.650 | 0.576   | 0.570        | -0.118 | 1.090     |  |  |  |
|  | 0.3 | 0.0147    | 0.583 | 0.590   | 0.592        | -0.005 | 1.295     |  |  |  |

| Score Report For DIAMV on Algorithm Verification  N P Pooled SD Ideal Gilbert Verification Score Norm Diff |     |           |       |         |              |        |           |  |  |  |
|--|-----|-----------|-------|---------|--------------|--------|-----------|--|--|--|
| N  | P   | Pooled SD | Ideal | Gilbert | Verification | Score  | Norm Diff |  |  |  |
|  | 0.4 | 0.0112    | 0.536 | 0.563   | 0.580        | -0.655 | 1.668     |  |  |  |
|  | 0.5 | 0.0075    | 0.427 | 0.499   | 0.493        | 0.031  | 0.911     |  |  |  |
|  | 0.6 | 0.0062    | 0.300 | 0.341   | 0.339        | -0.036 | 0.945     |  |  |  |
|  | 0.7 | 0.0040    | 0.138 | 0.157   | 0.153        | 0.229  | 0.754     |  |  |  |
|  | 0.8 | 0.0021    | 0.069 | 0.070   | 0.066        | -0.854 | -3.031    |  |  |  |
|  | 0.9 | 0.0029    | 0.165 | 0.168   | 0.165        | 2.037  | 0.132     |  |  |  |
|  | 0.1 | 0.1815    | 0.998 | 0.773   | 0.572        | -0.728 | 1.897     |  |  |  |
|  | 0.2 | 0.0391    | 0.727 | 0.728   | 0.738        | -1.760 | 5.848     |  |  |  |
|  | 0.3 | 0.0164    | 0.658 | 0.688   | 0.711        | -0.582 | 1.772     |  |  |  |
|  | 0.4 | 0.0108    | 0.569 | 0.626   | 0.615        | 0.217  | 0.801     |  |  |  |
| 7  | 0.5 | 0.0076    | 0.455 | 0.491   | 0.487        | -0.063 | 0.883     |  |  |  |
|  | 0.6 | 0.0061    | 0.299 | 0.305   | 0.305        | -0.136 | 1.051     |  |  |  |
|  | 0.7 | 0.0034    | 0.122 | 0.113   | 0.117        | 0.482  | 0.633     |  |  |  |
|  | 0.8 | 0.0015    | 0.035 | 0.027   | 0.026        | -0.073 | 1.163     |  |  |  |
|  | 0.9 | 0.0020    | 0.096 | 0.098   | 0.097        | 0.775  | 0.547     |  |  |  |
|  | 0.1 | 0.1819    | 0.775 | 0.705   | 1.000        | -0.983 | -3.218    |  |  |  |
|  | 0.2 | 0.0300    | 0.831 | 0.879   | 0.890        | -0.080 | 1.236     |  |  |  |
|  | 0.3 | 0.0180    | 0.710 | 0.797   | 0.787        | 0.133  | 0.883     |  |  |  |
|  | 0.4 | 0.0117    | 0.542 | 0.593   | 0.590        | 0.129  | 0.928     |  |  |  |
| 8  | 0.5 | 0.0073    | 0.423 | 0.433   | 0.430        | 0.400  | 0.700     |  |  |  |
|  | 0.6 | 0.0036    | 0.268 | 0.264   | 0.258        | -0.967 | 2.572     |  |  |  |
|  | 0.7 | 0.0026    | 0.105 | 0.088   | 0.085        | -0.164 | 1.167     |  |  |  |
|  | 0.8 | 0.0012    | 0.021 | 0.011   | 0.011        | -0.112 | 0.951     |  |  |  |
|  | 0.9 | 0.0023    | 0.051 | 0.048   | 0.050        | 0.589  | 0.457     |  |  |  |
|  | 0.1 | 0.3000    | 1.226 | 0.928   | 1.152        | 1.418  | 0.248     |  |  |  |
|  | 0.2 | 0.0316    | 0.914 | 1.100   | 1.027        | 0.420  | 0.606     |  |  |  |
|  | 0.3 | 0.0191    | 0.722 | 0.838   | 0.843        | -0.123 | 1.043     |  |  |  |
|  | 0.4 | 0.0116    | 0.493 | 0.511   | 0.520        | -0.486 | 1.441     |  |  |  |
| 9  | 0.5 | 0.0062    | 0.368 | 0.371   | 0.369        | 1.360  | 0.246     |  |  |  |
|  | 0.6 | 0.0039    | 0.235 | 0.234   | 0.231        | -2.247 | 7.819     |  |  |  |
|  | 0.7 | 0.0023    | 0.081 | 0.064   | 0.064        | -0.197 | 1.006     |  |  |  |
|  | 0.8 | 0.0006    | 0.013 | 0.005   | 0.005        | 0.050  | 1.046     |  |  |  |
|  | 0.9 | 0.0013    | 0.020 | 0.022   | 0.022        | -0.333 | 1.540     |  |  |  |
|  | 0.1 | 0.2713    | 1.138 | 1.155   | 1.043        | -1.600 | -5.696    |  |  |  |
|  | 0.2 | 0.0321    | 0.983 | 1.136   | 1.159        | -0.047 | 1.151     |  |  |  |
|  | 0.3 | 0.0195    | 0.732 | 0.796   | 0.822        | -0.269 | 1.394     |  |  |  |
|  | 0.4 | 0.0093    | 0.416 | 0.431   | 0.436        | -0.373 | 1.307     |  |  |  |
| 10   | 0.5 | 0.0048    | 0.321 | 0.321   | 0.320        | -4.632 | -79.604   |  |  |  |
|  | 0.6 | 0.0030    | 0.213 | 0.199   | 0.202        | 0.294  | 0.764     |  |  |  |
|  | 0.7 | 0.0018    | 0.055 | 0.043   | 0.044        | 0.346  | 0.909     |  |  |  |
|  | 0.8 | 0.0006    | 0.006 | 0.002   | 0.002        | 0.059  | 1.010     |  |  |  |

|   | Score Report For DIAMV on Algorithm Verification         |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|--|
| N | N P Pooled SD Ideal Gilbert Verification Score Norm Diff |  |  |  |  |  |  |  |  |  |
|   | 0.9 0.0010 0.010 0.010 0.008 -3.204 22.866               |  |  |  |  |  |  |  |  |  |

|      |       | Score   | Report | For DIA | MV on | Algorith | m Verifi | cation |       |        |  |  |
|------|-------|---|--------|---------|-------|----------|----------|--------|-------|--------|--|--|
|      | P     |   |        |         |       |          |          |        |       |        |  |  |
| N    | .1    | .2  | .3     | .4      | .5    | .6       | .7       | .8     | .9    | Mean   |  |  |
| 4    | -0.12 | 0.17  | -0.05  | -0.02   | 0.11  | -0.05    | -0.05    | -0.02  | -0.34 | -0.043 |  |  |
| 5    | 1.47  | 1.47 0.17 0.21 -1.10 -0.15 -0.04 -0.11 -0.29 0.01 0.020 |        |         |       |          |          |        |       |        |  |  |
| 6    | -0.19 | -0.12   | -0.00  | -0.65   | 0.03  | -0.04    | 0.23     | -0.85  | 2.04  | 0.048  |  |  |
| 7    | -0.73 | -1.76   | -0.58  | 0.22    | -0.06 | -0.14    | 0.48     | -0.07  | 0.77  | -0.208 |  |  |
| 8    | -0.98 | -0.08   | 0.13   | 0.13    | 0.40  | -0.97    | -0.16    | -0.11  | 0.59  | -0.117 |  |  |
| 9    | 1.42  | 0.42  | -0.12  | -0.49   | 1.36  | -2.25    | -0.20    | 0.05   | -0.33 | -0.015 |  |  |
| 10   | -1.60 | -0.05   | -0.27  | -0.37   | -4.63 | 0.29     | 0.35     | 0.06   | -3.20 | -1.047 |  |  |
| Mean | -0.11 | -0.18   | -0.10  | -0.33   | -0.42 | -0.46    | 0.08     | -0.18  | -0.07 | -0.19  |  |  |

|   |     | Score Repo | rt For P | TRIL on | Algorithm Ver | rification |           |
|---|-----|------------|----------|---------|---------------|------------|-----------|
| N | P   | Pooled SD  | Ideal    | Gilbert | Verification  | Score      | Norm Diff |
|   | 0.1 | 0.0007     | 0.995    | 0.996   | 0.996         | 0.404      | 0.690     |
|   | 0.2 | 0.0015     | 0.964    | 0.970   | 0.970         | 0.002      | 1.085     |
|   | 0.3 | 0.0030     | 0.897    | 0.906   | 0.906         | 0.223      | 0.920     |
|   | 0.4 | 0.0040     | 0.796    | 0.795   | 0.789         | -2.645     | 13.200    |
| 4 | 0.5 | 0.0052     | 0.669    | 0.636   | 0.640         | 0.138      | 0.869     |
|   | 0.6 | 0.0049     | 0.518    | 0.462   | 0.461         | -0.043     | 1.014     |
|   | 0.7 | 0.0044     | 0.357    | 0.285   | 0.287         | -0.037     | 0.972     |
|   | 0.8 | 0.0033     | 0.193    | 0.130   | 0.135         | 0.083      | 0.914     |
|   | 0.9 | 0.0019     | 0.061    | 0.035   | 0.035         | -0.168     | 1.026     |
|   | 0.1 | 0.0011     | 0.980    | 0.992   | 0.990         | 0.153      | 0.876     |
|   | 0.2 | 0.0030     | 0.894    | 0.925   | 0.926         | -0.142     | 1.029     |
|   | 0.3 | 0.0039     | 0.754    | 0.791   | 0.792         | -0.061     | 1.023     |
|   | 0.4 | 0.0057     | 0.582    | 0.597   | 0.598         | -0.363     | 1.074     |
| 5 | 0.5 | 0.0041     | 0.396    | 0.378   | 0.378         | 0.043      | 0.972     |
|   | 0.6 | 0.0038     | 0.227    | 0.193   | 0.196         | 0.051      | 0.917     |
|   | 0.7 | 0.0025     | 0.100    | 0.076   | 0.073         | -0.171     | 1.136     |
|   | 0.8 | 0.0014     | 0.028    | 0.015   | 0.018         | 0.221      | 0.822     |
|   | 0.9 | 0.0005     | 0.003    | 0.001   | 0.001         | -0.307     | 1.258     |
|   | 0.1 | 0.0014     | 0.958    | 0.979   | 0.981         | -0.248     | 1.076     |
|   | 0.2 | 0.0036     | 0.822    | 0.868   | 0.868         | 0.067      | 0.996     |
|   | 0.3 | 0.0047     | 0.629    | 0.649   | 0.649         | 0.112      | 1.005     |
|   | 0.4 | 0.0050     | 0.404    | 0.388   | 0.385         | -0.189     | 1.222     |
| 6 | 0.5 | 0.0045     | 0.207    | 0.181   | 0.178         | -0.183     | 1.120     |
|   | 0.6 | 0.0022     | 0.087    | 0.058   | 0.058         | 0.080      | 0.975     |

|    |                 | Score Repo | rt For F | TRIL on | Algorithm Ver | rification |           |
|----|-----------------|------------|----------|---------|---------------|------------|-----------|
| N  | P               | Pooled SD  | Ideal    | Gilbert | Verification  | Score      | Norm Diff |
|    | 0.7             | 0.0012     | 0.027    | 0.012   | 0.010         | -0.029     | 1.139     |
|    | 0.8             | 0.0005     | 0.004    | 0.001   | 0.001         | -0.027     | 1.043     |
|    | 0.9             | 0.0001     | 0.000    | 0.000   | 0.000         | 0.902      | 0.500     |
|    | 0.1             | 0.0020     | 0.918    | 0.969   | 0.969         | -0.136     | 1.015     |
|    | 0.2             | 0.0036     | 0.715    | 0.786   | 0.790         | 0.073      | 1.059     |
|    | 0.3             | 0.0043     | 0.451    | 0.491   | 0.489         | 0.295      | 0.959     |
|    | 0.4             | 0.0037     | 0.217    | 0.219   | 0.214         | -0.631     | -1.977    |
| 7  | $\mid 0.5 \mid$ | 0.0027     | 0.074    | 0.062   | 0.065         | 0.139      | 0.754     |
|    | 0.6             | 0.0011     | 0.019    | 0.012   | 0.011         | -0.239     | 1.187     |
|    | 0.7             | 0.0003     | 0.002    | 0.001   | 0.001         | -0.017     | 1.024     |
|    | 0.8             | 0.0001     | 0.000    | 0.000   | 0.000         | -0.570     | 1.500     |
|    | 0.9             | 0.0000     | 0.000    | 0.000   | 0.000         | 0.000      | NaN       |
|    | 0.1             | 0.0025     | 0.878    | 0.950   | 0.949         | -0.011     | 0.989     |
|    | 0.2             | 0.0056     | 0.617    | 0.686   | 0.688         | -0.021     | 1.030     |
|    | 0.3             | 0.0048     | 0.312    | 0.334   | 0.338         | -0.040     | 1.186     |
|    | $\mid 0.4 \mid$ | 0.0024     | 0.110    | 0.098   | 0.101         | 0.245      | 0.737     |
| 8  | $\mid 0.5 \mid$ | 0.0015     | 0.022    | 0.018   | 0.018         | -0.109     | 1.046     |
|    | 0.6             | 0.0003     | 0.003    | 0.001   | 0.001         | -0.037     | 1.000     |
|    | 0.7             | 0.0001     | 0.000    | 0.000   | 0.000         | 0.149      | 0.900     |
|    | 0.8             | 0.0000     | 0.000    | 0.000   | 0.000         | 0.000      | NaN       |
|    | 0.9             | 0.0000     | 0.000    | 0.000   | 0.000         | 0.000      | NaN       |
|    | 0.1             | 0.0033     | 0.814    | 0.928   | 0.927         | 0.021      | 0.998     |
|    | 0.2             | 0.0045     | 0.496    | 0.586   | 0.587         | -0.039     | 1.016     |
|    | 0.3             | 0.0036     | 0.190    | 0.215   | 0.208         | 0.249      | 0.698     |
|    | 0.4             | 0.0018     | 0.042    | 0.039   | 0.041         | 0.968      | 0.295     |
| 9  | 0.5             | 0.0007     | 0.005    | 0.004   | 0.003         | -0.515     | 1.613     |
|    | 0.6             | 0.0001     | 0.000    | 0.000   | 0.000         | -1.234     | -2.500    |
|    | 0.7             | 0.0000     | 0.000    | 0.000   | 0.000         | 0.000      | NaN       |
|    | 0.8             | 0.0000     | 0.000    | 0.000   | 0.000         | 0.000      | NaN       |
|    | 0.9             | 0.0000     | 0.000    | 0.000   | 0.000         | 0.000      | NaN       |
|    | 0.1             | 0.0035     | 0.754    | 0.895   | 0.895         | 0.059      | 0.999     |
|    | 0.2             | 0.0050     | 0.389    | 0.464   | 0.473         | -0.141     | 1.117     |
|    | 0.3             | 0.0030     | 0.112    | 0.121   | 0.118         | 0.522      | 0.600     |
|    | 0.4             | 0.0013     | 0.014    | 0.014   | 0.012         | -1.310     | -3.000    |
| 10 | 0.5             | 0.0003     | 0.001    | 0.001   | 0.001         | -0.061     | -1.000    |
|    | 0.6             | 0.0000     | 0.000    | 0.000   | 0.000         | 0.000      | NaN       |
|    | 0.7             | 0.0000     | 0.000    | 0.000   | 0.000         | 0.000      | NaN       |
|    | 0.8             | 0.0000     | 0.000    | 0.000   | 0.000         | 0.000      | NaN       |
|    | 0.9             | 0.0000     | 0.000    | 0.000   | 0.000         | 0.000      | NaN       |

|      | Score Report For PTRIL on Algorithm Verification |       |       |       |       |       |       |       |       |        |  |  |  |
|------|--|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|--|--|
|      | P  |       |       |       |       |       |       |       |       |        |  |  |  |
| N    | .1   | .2    | .3    | .4    | .5    | .6    | .7    | .8    | .9    | Mean   |  |  |  |
| 4    | 0.40   | 0.00  | 0.22  | -2.64 | 0.14  | -0.04 | -0.04 | 0.08  | -0.17 | -0.227 |  |  |  |
| 5    | 0.15   | -0.14 | -0.06 | -0.36 | 0.04  | 0.05  | -0.17 | 0.22  | -0.31 | -0.064 |  |  |  |
| 6    | -0.25  | 0.07  | 0.11  | -0.19 | -0.18 | 0.08  | -0.03 | -0.03 | 0.90  | 0.054  |  |  |  |
| 7    | -0.14  | 0.07  | 0.30  | -0.63 | 0.14  | -0.24 | -0.02 | -0.57 | 0.00  | -0.121 |  |  |  |
| 8    | -0.01  | -0.02 | -0.04 | 0.24  | -0.11 | -0.04 | 0.15  | 0.00  | 0.00  | 0.020  |  |  |  |
| 9    | 0.02   | -0.04 | 0.25  | 0.97  | -0.52 | -1.23 | 0.00  | 0.00  | 0.00  | -0.061 |  |  |  |
| 10   | 0.06   | -0.14 | 0.52  | -1.31 | -0.06 | 0.00  | 0.00  | 0.00  | 0.00  | -0.104 |  |  |  |
| Mean | 0.03   | -0.03 | 0.19  | -0.56 | -0.08 | -0.20 | -0.02 | -0.04 | 0.06  | -0.07  |  |  |  |

| N | P   | Pooled SD | Ideal  | Gilbert | Verification | Score  | Norm Diff |  |  |  |  |
|---|-----|-----------|--------|---------|--------------|--------|-----------|--|--|--|--|
|   | 0.1 | 0.0046    | 0.029  | 0.023   | 0.025        | 0.527  | 0.621     |  |  |  |  |
|   | 0.2 | 0.0101    | 0.226  | 0.192   | 0.189        | -0.081 | 1.101     |  |  |  |  |
|   | 0.3 | 0.0206    | 0.701  | 0.634   | 0.643        | 0.276  | 0.866     |  |  |  |  |
|   | 0.4 | 0.0326    | 1.544  | 1.532   | 1.582        | -1.163 | -3.048    |  |  |  |  |
| 4 | 0.5 | 0.0436    | 2.807  | 3.043   | 2.980        | 0.426  | 0.734     |  |  |  |  |
|   | 0.6 | 0.0623    | 4.902  | 5.184   | 5.200        | -0.054 | 1.055     |  |  |  |  |
|   | 0.7 | 0.0788    | 7.766  | 8.246   | 8.219        | 0.069  | 0.943     |  |  |  |  |
|   | 0.8 | 0.0871    | 11.907 | 12.315  | 12.253       | -0.070 | 0.848     |  |  |  |  |
|   | 0.9 | 0.0773    | 17.261 | 17.417  | 17.472       | -0.414 | 1.350     |  |  |  |  |
|   | 0.1 | 0.0068    | 0.121  | 0.051   | 0.060        | 0.155  | 0.870     |  |  |  |  |
|   | 0.2 | 0.0210    | 0.718  | 0.502   | 0.499        | -0.149 | 1.017     |  |  |  |  |
|   | 0.3 | 0.0381    | 1.922  | 1.638   | 1.633        | 0.051  | 1.015     |  |  |  |  |
|   | 0.4 | 0.0656    | 4.095  | 3.751   | 3.799        | -0.059 | 0.861     |  |  |  |  |
| 5 | 0.5 | 0.0751    | 7.798  | 7.544   | 7.472        | -0.295 | 1.284     |  |  |  |  |
|   | 0.6 | 0.1149    | 13.210 | 13.050  | 12.976       | -0.502 | 1.463     |  |  |  |  |
|   | 0.7 | 0.1160    | 20.516 | 20.380  | 20.566       | 0.986  | -0.369    |  |  |  |  |
|   | 0.8 | 0.1594    | 30.699 | 30.677  | 30.707       | 0.827  | -0.378    |  |  |  |  |
|   | 0.9 | 0.1397    | 43.387 | 43.703  | 43.772       | -0.285 | 1.217     |  |  |  |  |
|   | 0.1 | 0.0100    | 0.267  | 0.131   | 0.120        | -0.222 | 1.083     |  |  |  |  |
|   | 0.2 | 0.0283    | 1.309  | 0.960   | 0.959        | 0.077  | 1.002     |  |  |  |  |
|   | 0.3 | 0.0599    | 3.721  | 3.185   | 3.224        | 0.038  | 0.927     |  |  |  |  |
|   | 0.4 | 0.0833    | 8.181  | 7.726   | 7.719        | 0.025  | 1.016     |  |  |  |  |
| 6 | 0.5 | 0.1547    | 15.642 | 14.928  | 14.961       | 0.075  | 0.953     |  |  |  |  |
|   | 0.6 | 0.1352    | 26.344 | 25.799  | 25.930       | 0.326  | 0.761     |  |  |  |  |
|   | 0.7 | 0.1989    | 41.804 | 40.996  | 40.960       | 0.021  | 1.045     |  |  |  |  |
|   | 0.8 | 0.2412    | 61.672 | 61.750  | 61.359       | -1.494 | -4.057    |  |  |  |  |
|   | 0.9 | 0.2579    | 87.119 | 87.692  | 87.329       | 0.995  | 0.367     |  |  |  |  |
|   | 0.1 | 0.0136    | 0.525  | 0.202   | 0.197        | -0.146 | 1.015     |  |  |  |  |
|   | 0.2 | 0.0343    | 2.366  | 1.715   | 1.657        | -0.022 | 1.089     |  |  |  |  |

|    |     | Score Rep | ort For Al | NTRI on A | Algorithm Veri | fication |           |
|----|-----|-----------|------------|-----------|----------------|----------|-----------|
| N  | P   | Pooled SD | Ideal      | Gilbert   | Verification   | Score    | Norm Diff |
|    | 0.3 | 0.0672    | 6.608      | 5.657     | 5.644          | 0.167    | 1.013     |
|    | 0.4 | 0.1150    | 14.327     | 13.269    | 13.383         | 0.286    | 0.892     |
|    | 0.5 | 0.1933    | 27.530     | 26.251    | 26.255         | 0.003    | 0.997     |
|    | 0.6 | 0.2917    | 46.173     | 45.491    | 45.354         | -0.199   | 1.202     |
|    | 0.7 | 0.3138    | 73.702     | 72.143    | 71.623         | -0.479   | 1.334     |
|    | 0.8 | 0.4110    | 108.630    | 107.153   | 107.529        | 0.270    | 0.745     |
|    | 0.9 | 0.3035    | 153.429    | 153.326   | 153.012        | -1.465   | 4.068     |
|    | 0.1 | 0.0178    | 0.815      | 0.327     | 0.331          | -0.075   | 0.992     |
|    | 0.2 | 0.0572    | 3.599      | 2.745     | 2.728          | -0.152   | 1.020     |
|    | 0.3 | 0.1039    | 10.140     | 9.039     | 9.069          | 0.183    | 0.973     |
|    | 0.4 | 0.1714    | 22.328     | 21.663    | 21.418         | -0.389   | 1.370     |
| 8  | 0.5 | 0.2504    | 43.234     | 42.062    | 42.038         | -0.045   | 1.020     |
|    | 0.6 | 0.3477    | 74.108     | 72.423    | 72.770         | 0.298    | 0.794     |
|    | 0.7 | 0.5225    | 117.381    | 114.773   | 115.030        | 0.143    | 0.902     |
|    | 0.8 | 0.4216    | 174.206    | 172.537   | 171.795        | -0.130   | 1.444     |
|    | 0.9 | 0.4999    | 246.607    | 244.176   | 244.666        | 0.041    | 0.798     |
|    | 0.1 | 0.0241    | 1.332      | 0.480     | 0.485          | 0.010    | 0.994     |
|    | 0.2 | 0.0537    | 5.353      | 4.027     | 3.974          | 0.079    | 1.040     |
|    | 0.3 | 0.1275    | 14.802     | 13.548    | 13.752         | 0.089    | 0.837     |
|    | 0.4 | 0.2011    | 33.283     | 32.547    | 31.892         | -0.690   | 1.889     |
| 9  | 0.5 | 0.3389    | 63.968     | 63.087    | 62.822         | -0.257   | 1.301     |
|    | 0.6 | 0.6051    | 110.799    | 108.566   | 108.735        | -0.038   | 0.924     |
|    | 0.7 | 0.6123    | 175.026    | 173.605   | 172.777        | -0.484   | 1.583     |
|    | 0.8 | 0.6339    | 259.809    | 258.008   | 257.343        | -0.318   | 1.369     |
|    | 0.9 | 0.5625    | 368.662    | 367.414   | 367.436        | -0.143   | 0.982     |
|    | 0.1 | 0.0312    | 1.881      | 0.723     | 0.731          | 0.035    | 0.993     |
|    | 0.2 | 0.0775    | 7.376      | 5.885     | 5.724          | -0.042   | 1.108     |
|    | 0.3 | 0.1749    | 20.691     | 19.257    | 19.512         | 0.126    | 0.822     |
|    | 0.4 | 0.2478    | 46.919     | 46.083    | 46.171         | 0.151    | 0.895     |
| 10 | 0.5 | 0.4304    | 90.976     | 89.687    | 90.363         | 0.591    | 0.475     |
|    | 0.6 | 0.5638    | 156.489    | 155.999   | 155.177        | -0.993   | 2.674     |
|    | 0.7 | 0.8073    | 248.654    | 247.220   | 246.383        | -0.497   | 1.583     |
|    | 0.8 | 0.6065    | 373.502    | 369.372   | 368.719        | -0.149   | 1.158     |
|    | 0.9 | 0.9483    | 529.220    | 523.703   | 524.148        | 0.131    | 0.919     |

|   | Score Report For ANTRI on Algorithm Verification |       |      |       |       |       |      |       |       |        |  |  |  |
|---|--|-------|------|-------|-------|-------|------|-------|-------|--------|--|--|--|
|   | P  |       |      |       |       |       |      |       |       |        |  |  |  |
| N | .1   | .2    | .3   | .4    | .5    | .6    | .7   | .8    | .9    | Mean   |  |  |  |
| 4 | 0.53   | -0.08 | 0.28 | -1.16 | 0.43  | -0.05 | 0.07 | -0.07 | -0.41 | -0.054 |  |  |  |
| 5 | 0.15   | -0.15 | 0.05 | -0.06 | -0.29 | -0.50 | 0.99 | 0.83  | -0.28 | 0.081  |  |  |  |
| 6 | -0.22  | 0.08  | 0.04 | 0.03  | 0.08  | 0.33  | 0.02 | -1.49 | 0.99  | -0.018 |  |  |  |

|      | Score Report For ANTRI on Algorithm Verification |       |      |       |       |       |       |       |       |        |  |  |  |
|------|--|-------|------|-------|-------|-------|-------|-------|-------|--------|--|--|--|
|      | P  |       |      |       |       |       |       |       |       |        |  |  |  |
| N    | .1   | .2    | .3   | .4    | .5    | .6    | .7    | .8    | .9    | Mean   |  |  |  |
| 7    | -0.15  | -0.02 | 0.17 | 0.29  | 0.00  | -0.20 | -0.48 | 0.27  | -1.47 | -0.176 |  |  |  |
| 8    | -0.07  | -0.15 | 0.18 | -0.39 | -0.04 | 0.30  | 0.14  | -0.13 | 0.04  | -0.014 |  |  |  |
| 9    | 0.01   | 0.08  | 0.09 | -0.69 | -0.26 | -0.04 | -0.48 | -0.32 | -0.14 | -0.195 |  |  |  |
| 10   | 0.04   | -0.04 | 0.13 | 0.15  | 0.59  | -0.99 | -0.50 | -0.15 | 0.13  | -0.072 |  |  |  |
| Mean | 0.04   | -0.04 | 0.13 | -0.26 | 0.07  | -0.17 | -0.03 | -0.15 | -0.16 | -0.06  |  |  |  |

|   |                 | Score Repo | ort For AN | QUAD on A | Algorithm Ver | ification |           |
|---|-----------------|------------|------------|-----------|---------------|-----------|-----------|
| N | P               | Pooled SD  | Ideal      | Gilbert   | Verification  | Score     | Norm Diff |
|   | 0.1             | 0.0080     | 0.201      | 0.233     | 0.246         | -0.474    | 1.398     |
|   | 0.2             | 0.0189     | 0.921      | 0.995     | 0.993         | -0.155    | 0.968     |
|   | 0.3             | 0.0447     | 2.402      | 2.341     | 2.348         | 0.101     | 0.877     |
|   | 0.4             | 0.0554     | 4.709      | 4.451     | 4.520         | 0.349     | 0.732     |
| 4 | 0.5             | 0.0728     | 7.888      | 7.537     | 7.474         | 0.049     | 1.180     |
|   | 0.6             | 0.1165     | 12.466     | 11.712    | 11.809        | 0.223     | 0.871     |
|   | 0.7             | 0.1442     | 18.186     | 17.564    | 17.537        | 0.025     | 1.044     |
|   | 0.8             | 0.1637     | 25.649     | 25.225    | 25.165        | -0.360    | 1.140     |
|   | 0.9             | 0.1520     | 35.241     | 35.090    | 35.166        | 0.574     | 0.493     |
|   | 0.1             | 0.0170     | 0.602      | 0.584     | 0.624         | -0.122    | -1.241    |
|   | 0.2             | 0.0395     | 2.773      | 2.617     | 2.613         | -0.072    | 1.027     |
|   | 0.3             | 0.0904     | 6.781      | 6.432     | 6.432         | 0.089     | 1.002     |
|   | 0.4             | 0.1430     | 13.301     | 12.379    | 12.594        | 0.260     | 0.767     |
| 5 | 0.5             | 0.1797     | 23.715     | 22.633    | 22.413        | -0.219    | 1.204     |
|   | 0.6             | 0.3082     | 38.583     | 37.404    | 37.246        | -0.246    | 1.134     |
|   | 0.7             | 0.3183     | 59.188     | 57.651    | 58.150        | 0.374     | 0.675     |
|   | 0.8             | 0.4838     | 88.614     | 87.382    | 87.480        | -0.098    | 0.920     |
|   | 0.9             | 0.4417     | 126.880    | 127.237   | 127.407       | -0.470    | 1.477     |
|   | 0.1             | 0.0293     | 1.279      | 1.275     | 1.231         | -2.500    | 10.969    |
|   | 0.2             | 0.0755     | 5.786      | 5.381     | 5.339         | 0.065     | 1.103     |
|   | 0.3             | 0.1682     | 14.626     | 13.683    | 13.642        | -0.139    | 1.043     |
|   | $\mid 0.4 \mid$ | 0.2581     | 30.361     | 28.501    | 28.482        | 0.036     | 1.010     |
| 6 | $\mid 0.5 \mid$ | 0.4796     | 55.613     | 52.323    | 52.476        | 0.012     | 0.953     |
|   | 0.6             | 0.4921     | 93.423     | 89.585    | 89.897        | 0.169     | 0.919     |
|   | $\mid 0.7 \mid$ | 0.7138     | 150.360    | 144.708   | 144.561       | 0.023     | 1.026     |
|   | 0.8             | 0.9369     | 227.364    | 225.603   | 223.947       | -0.751    | 1.940     |
|   | 0.9             | 1.1264     | 332.903    | 334.278   | 332.658       | 1.711     | -0.179    |
|   | 0.1             | 0.0318     | 2.549      | 2.151     | 2.163         | 0.064     | 0.972     |
|   | $\mid 0.2 \mid$ | 0.1105     | 10.888     | 9.890     | 9.665         | -0.122    | 1.226     |
|   | 0.3             | 0.2262     | 28.019     | 25.491    | 25.724        | 0.193     | 0.908     |
|   | $\mid 0.4 \mid$ | 0.4328     | 58.258     | 54.731    | 54.772        | 0.082     | 0.988     |
| 7 | $\mid 0.5 \mid$ | 0.7132     | 110.908    | 105.115   | 104.854       | -0.062    | 1.045     |

|    |     | Score Repo | ort For AN | QUAD on A | Algorithm Ver | ification |           |
|----|-----|------------|------------|-----------|---------------|-----------|-----------|
| N  | P   | Pooled SD  | Ideal      | Gilbert   | Verification  | Score     | Norm Diff |
|    | 0.6 | 1.2647     | 190.050    | 185.162   | 184.695       | -0.072    | 1.096     |
|    | 0.7 | 1.4399     | 315.059    | 305.264   | 302.632       | -0.459    | 1.269     |
|    | 0.8 | 2.1106     | 486.018    | 476.473   | 478.342       | 0.213     | 0.804     |
|    | 0.9 | 1.6570     | 723.378    | 722.468   | 720.649       | -1.132    | 2.997     |
|    | 0.1 | 0.0656     | 4.244      | 3.504     | 3.517         | -0.098    | 0.982     |
|    | 0.2 | 0.1544     | 17.961     | 16.139    | 16.190        | -0.085    | 0.972     |
|    | 0.3 | 0.3189     | 46.527     | 43.459    | 43.832        | 0.190     | 0.879     |
|    | 0.4 | 0.7191     | 100.181    | 97.334    | 96.281        | -0.427    | 1.370     |
| 8  | 0.5 | 1.1584     | 195.958    | 189.117   | 189.111       | -0.059    | 1.001     |
|    | 0.6 | 1.8288     | 349.695    | 338.105   | 340.106       | 0.254     | 0.827     |
|    | 0.7 | 2.9313     | 583.723    | 565.360   | 567.016       | 0.116     | 0.910     |
|    | 0.8 | 2.6297     | 918.889    | 906.286   | 902.065       | -0.040    | 1.335     |
|    | 0.9 | 3.4014     | 1385.614   | 1369.299  | 1372.437      | 0.021     | 0.808     |
|    | 0.1 | 0.0748     | 7.033      | 5.286     | 5.321         | 0.027     | 0.980     |
|    | 0.2 | 0.1683     | 27.903     | 24.908    | 24.840        | 0.121     | 1.023     |
|    | 0.3 | 0.4917     | 73.676     | 69.641    | 70.379        | 0.240     | 0.817     |
|    | 0.4 | 0.9020     | 162.781    | 159.796   | 156.147       | -0.896    | 2.223     |
| 9  | 0.5 | 1.6140     | 320.743    | 315.144   | 313.930       | -0.212    | 1.217     |
|    | 0.6 | 3.4632     | 587.536    | 571.348   | 572.879       | -0.028    | 0.905     |
|    | 0.7 | 3.9095     | 990.782    | 978.576   | 972.000       | -0.444    | 1.539     |
|    | 0.8 | 4.7230     | 1576.632   | 1560.857  | 1555.573      | -0.289    | 1.335     |
|    | 0.9 | 4.4527     | 2401.540   | 2392.470  | 2392.697      | -0.131    | 0.975     |
|    | 0.1 | 0.0862     | 10.266     | 7.655     | 7.711         | 0.042     | 0.979     |
|    | 0.2 | 0.3157     | 40.970     | 37.239    | 36.556        | -0.173    | 1.183     |
|    | 0.3 | 0.7816     | 110.346    | 104.936   | 106.010       | 0.183     | 0.801     |
|    | 0.4 | 1.3276     | 248.038    | 244.384   | 244.537       | 0.104     | 0.958     |
| 10 | 0.5 | 2.5957     | 502.866    | 493.398   | 496.861       | 0.317     | 0.634     |
|    | 0.6 | 3.6800     | 922.323    | 914.832   | 910.641       | -0.436    | 1.559     |
|    | 0.7 | 6.0444     | 1578.540   | 1565.010  | 1559.164      | -0.400    | 1.432     |
|    | 0.8 | 4.9930     | 2567.713   | 2531.007  | 2525.958      | -0.115    | 1.138     |
|    | 0.9 | 8.7174     | 3928.169   | 3879.548  | 3883.417      | 0.132     | 0.920     |

|   | Score Report For ANQUAD on Algorithm Verification |       |       |       |       |       |       |       |       |        |  |  |  |
|---|---|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|--|--|
| P |   |       |       |       |       |       |       |       |       |        |  |  |  |
| N | .1  | .2    | .3    | .4    | .5    | .6    | .7    | .8    | .9    | Mean   |  |  |  |
| 4 | -0.47   | -0.15 | 0.10  | 0.35  | 0.05  | 0.22  | 0.02  | -0.36 | 0.57  | 0.037  |  |  |  |
| 5 | -0.12   | -0.07 | 0.09  | 0.26  | -0.22 | -0.25 | 0.37  | -0.10 | -0.47 | -0.056 |  |  |  |
| 6 | -2.50   | 0.06  | -0.14 | 0.04  | 0.01  | 0.17  | 0.02  | -0.75 | 1.71  | -0.152 |  |  |  |
| 7 | 0.06  | -0.12 | 0.19  | 0.08  | -0.06 | -0.07 | -0.46 | 0.21  | -1.13 | -0.144 |  |  |  |
| 8 | -0.10   | -0.08 | 0.19  | -0.43 | -0.06 | 0.25  | 0.12  | -0.04 | 0.02  | -0.014 |  |  |  |
| 9 | 0.03  | 0.12  | 0.24  | -0.90 | -0.21 | -0.03 | -0.44 | -0.29 | -0.13 | -0.179 |  |  |  |

| Score Report For ANQUAD on Algorithm Verification |       |       |      |       |       |       |       |       |      |        |  |  |
|---|-------|-------|------|-------|-------|-------|-------|-------|------|--------|--|--|
| P   |       |       |      |       |       |       |       |       |      |        |  |  |
| N   | .1    | .2    | .3   | .4    | .5    | .6    | .7    | .8    | .9   | Mean   |  |  |
| 10  | 0.04  | -0.17 | 0.18 | 0.10  | 0.32  | -0.44 | -0.40 | -0.12 | 0.13 | -0.039 |  |  |
| Mean  | -0.44 | -0.06 | 0.12 | -0.07 | -0.02 | -0.02 | -0.11 | -0.21 | 0.10 | -0.08  |  |  |

|   |                 | Score Repo |       | ALNA on | Algorithm Ver | rification |           |
|---|-----------------|------------|-------|---------|---------------|------------|-----------|
| N | P               | Pooled SD  | Ideal | Gilbert | Verification  | Score      | Norm Diff |
|   | 0.1             | 0.0084     | 2.339 | 2.310   | 2.285         | -0.556     | 1.842     |
|   | 0.2             | 0.0085     | 1.858 | 1.724   | 1.719         | -0.074     | 1.040     |
|   | 0.3             | 0.0078     | 1.602 | 1.388   | 1.393         | -0.048     | 0.979     |
|   | 0.4             | 0.0079     | 1.487 | 1.226   | 1.220         | -0.082     | 1.023     |
| 4 | 0.5             | 0.0053     | 1.454 | 1.163   | 1.163         | 0.072      | 0.999     |
|   | 0.6             | 0.0078     | 1.499 | 1.213   | 1.216         | 0.174      | 0.988     |
|   | 0.7             | 0.0072     | 1.604 | 1.394   | 1.393         | -0.012     | 1.003     |
|   | 0.8             | 0.0103     | 1.857 | 1.728   | 1.728         | -0.173     | 1.003     |
|   | 0.9             | 0.0102     | 2.331 | 2.287   | 2.294         | 0.036      | 0.849     |
|   | 0.1             | 0.0136     | 3.079 | 3.043   | 3.026         | -0.319     | 1.465     |
|   | 0.2             | 0.0099     | 2.203 | 2.037   | 2.019         | -0.027     | 1.107     |
|   | 0.3             | 0.0090     | 1.794 | 1.470   | 1.471         | 0.196      | 0.994     |
|   | 0.4             | 0.0062     | 1.601 | 1.171   | 1.183         | 0.213      | 0.973     |
| 5 | 0.5             | 0.0076     | 1.546 | 1.102   | 1.091         | 0.009      | 1.024     |
|   | 0.6             | 0.0077     | 1.608 | 1.194   | 1.187         | -0.105     | 1.016     |
|   | 0.7             | 0.0079     | 1.787 | 1.450   | 1.461         | 0.095      | 0.967     |
|   | 0.8             | 0.0120     | 2.219 | 2.019   | 2.019         | -0.214     | 1.001     |
|   | 0.9             | 0.0138     | 3.067 | 3.022   | 3.025         | -0.026     | 0.939     |
|   | 0.1             | 0.0161     | 3.835 | 3.667   | 3.651         | 0.018      | 1.093     |
|   | 0.2             | 0.0135     | 2.577 | 2.162   | 2.160         | 0.047      | 1.005     |
|   | 0.3             | 0.0085     | 1.976 | 1.373   | 1.396         | -0.083     | 0.962     |
|   | 0.4             | 0.0079     | 1.641 | 1.018   | 1.010         | -0.158     | 1.014     |
| 6 | $\mid 0.5 \mid$ | 0.0091     | 1.526 | 0.903   | 0.897         | 0.054      | 1.010     |
|   | 0.6             | 0.0101     | 1.653 | 1.011   | 1.013         | 0.027      | 0.997     |
|   | 0.7             | 0.0097     | 1.993 | 1.373   | 1.375         | 0.055      | 0.997     |
|   | 0.8             | 0.0117     | 2.613 | 2.179   | 2.156         | -0.140     | 1.053     |
|   | 0.9             | 0.0191     | 3.801 | 3.680   | 3.653         | -0.252     | 1.226     |
|   | 0.1             | 0.0198     | 4.438 | 4.192   | 4.183         | -0.219     | 1.038     |
|   | 0.2             | 0.0137     | 2.761 | 2.136   | 2.151         | 0.123      | 0.976     |
|   | 0.3             | 0.0101     | 1.842 | 1.188   | 1.179         | -0.099     | 1.014     |
|   | 0.4             | 0.0114     | 1.371 | 0.746   | 0.753         | -0.020     | 0.988     |
| 7 | 0.5             | 0.0080     | 1.215 | 0.636   | 0.641         | -0.039     | 0.991     |
|   | 0.6             | 0.0094     | 1.359 | 0.740   | 0.756         | -0.055     | 0.973     |
|   | 0.7             | 0.0110     | 1.848 | 1.165   | 1.161         | -0.067     | 1.006     |
|   | 0.8             | 0.0170     | 2.764 | 2.121   | 2.139         | 0.001      | 0.972     |

|    |                 | Score Repo | ort For A | ALNA on | Algorithm Ver | rification |           |
|----|-----------------|------------|-----------|---------|---------------|------------|-----------|
| N  | P               | Pooled SD  | Ideal     | Gilbert | Verification  | Score      | Norm Diff |
|    | 0.9             | 0.0161     | 4.437     | 4.200   | 4.181         | -0.018     | 1.079     |
|    | 0.1             | 0.0291     | 5.075     | 4.628   | 4.612         | -0.125     | 1.036     |
|    | 0.2             | 0.0158     | 2.851     | 2.016   | 2.015         | -0.104     | 1.001     |
|    | 0.3             | 0.0100     | 1.614     | 0.930   | 0.924         | -0.097     | 1.008     |
|    | 0.4             | 0.0072     | 1.033     | 0.508   | 0.506         | -0.195     | 1.004     |
| 8  | 0.5             | 0.0069     | 0.854     | 0.406   | 0.408         | -0.103     | 0.995     |
|    | 0.6             | 0.0077     | 1.031     | 0.503   | 0.514         | 0.073      | 0.980     |
|    | 0.7             | 0.0105     | 1.624     | 0.908   | 0.916         | -0.103     | 0.989     |
|    | 0.8             | 0.0151     | 2.846     | 2.009   | 1.994         | 0.109      | 1.018     |
|    | 0.9             | 0.0256     | 5.124     | 4.560   | 4.589         | -0.214     | 0.948     |
|    | 0.1             | 0.0223     | 5.576     | 4.876   | 4.895         | 0.027      | 0.972     |
|    | 0.2             | 0.0176     | 2.699     | 1.815   | 1.783         | 0.022      | 1.035     |
|    | 0.3             | 0.0094     | 1.257     | 0.680   | 0.654         | -0.089     | 1.045     |
|    | 0.4             | 0.0053     | 0.685     | 0.323   | 0.320         | -0.063     | 1.007     |
| 9  | $\mid 0.5 \mid$ | 0.0055     | 0.531     | 0.243   | 0.239         | -0.011     | 1.013     |
|    | 0.6             | 0.0062     | 0.694     | 0.319   | 0.324         | 0.064      | 0.987     |
|    | 0.7             | 0.0092     | 1.280     | 0.676   | 0.667         | -0.025     | 1.015     |
|    | 0.8             | 0.0168     | 2.659     | 1.783   | 1.759         | -0.013     | 1.027     |
|    | 0.9             | 0.0230     | 5.570     | 4.894   | 4.900         | -0.105     | 0.990     |
|    | 0.1             | 0.0245     | 6.084     | 5.078   | 5.068         | 0.083      | 1.010     |
|    | 0.2             | 0.0149     | 2.471     | 1.524   | 1.528         | 0.023      | 0.995     |
|    | 0.3             | 0.0095     | 0.934     | 0.476   | 0.469         | -0.008     | 1.014     |
|    | 0.4             | 0.0043     | 0.429     | 0.197   | 0.193         | -0.071     | 1.018     |
| 10 | $\mid 0.5 \mid$ | 0.0039     | 0.310     | 0.136   | 0.140         | -0.015     | 0.979     |
|    | 0.6             | 0.0048     | 0.424     | 0.195   | 0.192         | -0.052     | 1.014     |
|    | 0.7             | 0.0073     | 0.934     | 0.472   | 0.471         | -0.162     | 1.002     |
|    | 0.8             | 0.0135     | 2.470     | 1.532   | 1.532         | 0.103      | 0.999     |
|    | 0.9             | 0.0306     | 6.114     | 5.041   | 5.047         | 0.075      | 0.995     |

|      | Score Report For ALNA on Algorithm Verification |       |       |       |       |       |       |       |       |        |  |  |  |  |
|------|---|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|--|--|--|
|      | P   |       |       |       |       |       |       |       |       |        |  |  |  |  |
| N    | .1  | .2    | .3    | .4    | .5    | .6    | .7    | .8    | .9    | Mean   |  |  |  |  |
| 4    | -0.56   | -0.07 | -0.05 | -0.08 | 0.07  | 0.17  | -0.01 | -0.17 | 0.04  | -0.074 |  |  |  |  |
| 5    | -0.32   | -0.03 | 0.20  | 0.21  | 0.01  | -0.10 | 0.09  | -0.21 | -0.03 | -0.020 |  |  |  |  |
| 6    | 0.02  | 0.05  | -0.08 | -0.16 | 0.05  | 0.03  | 0.06  | -0.14 | -0.25 | -0.048 |  |  |  |  |
| 7    | -0.22   | 0.12  | -0.10 | -0.02 | -0.04 | -0.05 | -0.07 | 0.00  | -0.02 | -0.043 |  |  |  |  |
| 8    | -0.12   | -0.10 | -0.10 | -0.19 | -0.10 | 0.07  | -0.10 | 0.11  | -0.21 | -0.084 |  |  |  |  |
| 9    | 0.03  | 0.02  | -0.09 | -0.06 | -0.01 | 0.06  | -0.02 | -0.01 | -0.11 | -0.022 |  |  |  |  |
| 10   | 0.08  | 0.02  | -0.01 | -0.07 | -0.02 | -0.05 | -0.16 | 0.10  | 0.07  | -0.003 |  |  |  |  |
| Mean | -0.16   | 0.00  | -0.03 | -0.05 | -0.00 | 0.02  | -0.03 | -0.05 | -0.07 | -0.04  |  |  |  |  |

| Score Report For MLNA on Algorithm Verification  N P Pooled SD Ideal Gilbert Verification Score Norm Diff |                 |           |       |         |              |         |           |  |  |  |
|---|-----------------|-----------|-------|---------|--------------|---------|-----------|--|--|--|
| N   | P               | Pooled SD | Ideal | Gilbert | Verification | Score   | Norm Diff |  |  |  |
|   | 0.1             | 0.0404    | 3.178 | 3.178   | 3.123        | -10.000 | Inf       |  |  |  |
|   | 0.2             | 0.0000    | 1.386 | 1.386   | 1.386        | -10.000 | NaN       |  |  |  |
|   | 0.3             | 0.0000    | 1.386 | 1.386   | 1.386        | -10.000 | NaN       |  |  |  |
|   | 0.4             | 0.0476    | 1.413 | 0.786   | 0.693        | -1.068  | 1.147     |  |  |  |
| 4   | 0.5             | 0.0000    | 1.386 | 0.693   | 0.693        | -0.000  | 1.000     |  |  |  |
|   | 0.6             | 0.0438    | 1.386 | 0.693   | 0.786        | 10.000  | 0.867     |  |  |  |
|   | 0.7             | 0.0000    | 1.386 | 1.386   | 1.386        | -10.000 | NaN       |  |  |  |
|   | 0.8             | 0.0000    | 1.386 | 1.386   | 1.386        | -10.000 | NaN       |  |  |  |
|   | 0.9             | 0.0509    | 3.178 | 3.105   | 3.178        | 10.000  | 0.000     |  |  |  |
|   | 0.1             | 0.0000    | 2.485 | 2.485   | 2.485        | -10.000 | NaN       |  |  |  |
|   | 0.2             | 0.0278    | 2.079 | 2.060   | 1.988        | -0.955  | 4.750     |  |  |  |
|   | 0.3             | 0.0133    | 1.811 | 1.386   | 1.386        | -0.000  | 1.000     |  |  |  |
|   | 0.4             | 0.0000    | 1.386 | 0.693   | 0.693        | -0.000  | 1.000     |  |  |  |
| 5   | 0.5             | 0.0000    | 1.386 | 0.693   | 0.693        | -0.000  | 1.000     |  |  |  |
|   | 0.6             | 0.0000    | 1.386 | 0.693   | 0.693        | -0.000  | 1.000     |  |  |  |
|   | 0.7             | 0.0000    | 1.792 | 1.386   | 1.386        | -0.000  | 1.000     |  |  |  |
|   | 0.8             | 0.0370    | 2.079 | 1.936   | 1.955        | 0.099   | 0.867     |  |  |  |
|   | 0.9             | 0.0000    | 2.485 | 2.485   | 2.485        | -10.000 | NaN       |  |  |  |
|   | 0.1             | 0.0000    | 3.871 | 3.871   | 3.871        | -10.000 | NaN       |  |  |  |
|   | 0.2             | 0.0938    | 2.485 | 1.874   | 1.986        | 0.190   | 0.816     |  |  |  |
|   | 0.3             | 0.0262    | 1.964 | 1.386   | 1.386        | -0.000  | 1.000     |  |  |  |
|   | 0.4             | 0.0000    | 1.386 | 0.693   | 0.693        | -0.000  | 1.000     |  |  |  |
| 6   | 0.5             | 0.0000    | 1.386 | 0.693   | 0.693        | -0.000  | 1.000     |  |  |  |
|   | 0.6             | 0.0000    | 1.386 | 0.693   | 0.693        | -0.000  | 1.000     |  |  |  |
|   | 0.7             | 0.0450    | 2.012 | 1.363   | 1.340        | 0.167   | 1.036     |  |  |  |
|   | 0.8             | 0.0910    | 2.485 | 2.077   | 1.934        | -0.216  | 1.351     |  |  |  |
|   | 0.9             | 0.0000    | 3.871 | 3.871   | 3.871        | -10.000 | NaN       |  |  |  |
|   | 0.1             | 0.0000    | 3.871 | 3.871   | 3.871        | -10.000 | NaN       |  |  |  |
|   | 0.2             | 0.0732    | 2.494 | 1.808   | 1.822        | -0.019  | 0.980     |  |  |  |
|   | 0.3             | 0.0552    | 1.386 | 0.786   | 0.751        | -0.321  | 1.058     |  |  |  |
|   | 0.4             | 0.0000    | 1.386 | 0.693   | 0.693        | -0.000  | 1.000     |  |  |  |
| 7   | 0.5             | 0.0321    | 0.739 | 0.693   | 0.693        | -0.000  | 1.000     |  |  |  |
|   | 0.6             | 0.0000    | 1.386 | 0.693   | 0.693        | -0.000  | 1.000     |  |  |  |
|   | 0.7             | 0.0396    | 1.386 | 0.739   | 0.716        | -0.364  | 1.036     |  |  |  |
|   | 0.8             | 0.0736    | 2.504 | 1.706   | 1.780        | 0.039   | 0.908     |  |  |  |
|   | 0.9             | 0.0000    | 3.871 | 3.871   | 3.871        | -10.000 | NaN       |  |  |  |
|   | 0.1             | 0.0849    | 5.238 | 4.648   | 4.592        | 0.013   | 1.095     |  |  |  |
|   | 0.2             | 0.0071    | 2.495 | 1.386   | 1.386        | -0.000  | 1.000     |  |  |  |
|   | 0.3             | 0.0000    | 1.386 | 0.693   | 0.693        | -0.000  | 1.000     |  |  |  |
|   | 0.4             | 0.0748    | 0.693 | 0.555   | 0.497        | -0.195  | 1.417     |  |  |  |
| 8   | $\mid 0.5 \mid$ | 0.0000    | 0.693 | 0.000   | 0.000        | -0.000  | 1.000     |  |  |  |

|    | Score Report For MLNA on Algorithm Verification  N D Resolut SD Ideal Cilbert Verification Score Norm Diff |           |       |         |              |         |           |  |  |  |  |  |
|----|--|-----------|-------|---------|--------------|---------|-----------|--|--|--|--|--|
| N  | Р  | Pooled SD | Ideal | Gilbert | Verification | Score   | Norm Diff |  |  |  |  |  |
|    | 0.6  | 0.0871    | 0.693 | 0.347   | 0.474        | 0.365   | 0.633     |  |  |  |  |  |
|    | 0.7  | 0.0000    | 1.386 | 0.693   | 0.693        | -0.000  | 1.000     |  |  |  |  |  |
|    | 0.8  | 0.0000    | 2.485 | 1.386   | 1.386        | -0.000  | 1.000     |  |  |  |  |  |
|    | 0.9  | 0.0803    | 5.257 | 4.475   | 4.520        | -0.126  | 0.942     |  |  |  |  |  |
|    | 0.1  | 0.0163    | 5.596 | 4.564   | 4.564        | -0.000  | 1.000     |  |  |  |  |  |
|    | 0.2  | 0.0341    | 2.350 | 1.386   | 1.386        | -0.000  | 1.000     |  |  |  |  |  |
|    | 0.3  | 0.0000    | 0.693 | 0.693   | 0.693        | -10.000 | NaN       |  |  |  |  |  |
|    | 0.4  | 0.0000    | 0.693 | 0.000   | 0.000        | -0.000  | 1.000     |  |  |  |  |  |
| 9  | 0.5  | 0.0631    | 0.416 | 0.000   | 0.000        | -0.000  | 1.000     |  |  |  |  |  |
|    | 0.6  | 0.0000    | 0.693 | 0.000   | 0.000        | -0.000  | 1.000     |  |  |  |  |  |
|    | 0.7  | 0.0000    | 0.693 | 0.693   | 0.693        | -10.000 | NaN       |  |  |  |  |  |
|    | 0.8  | 0.0340    | 2.357 | 1.386   | 1.386        | -0.000  | 1.000     |  |  |  |  |  |
|    | 0.9  | 0.0136    | 5.620 | 4.564   | 4.564        | -0.000  | 1.000     |  |  |  |  |  |
|    | 0.1  | 0.0000    | 5.663 | 4.564   | 4.564        | -0.000  | 1.000     |  |  |  |  |  |
|    | 0.2  | 0.0000    | 2.079 | 1.386   | 1.386        | -0.000  | 1.000     |  |  |  |  |  |
|    | 0.3  | 0.0000    | 0.693 | 0.000   | 0.000        | -0.000  | 1.000     |  |  |  |  |  |
|    | 0.4  | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000   | NaN       |  |  |  |  |  |
| 10 | 0.5  | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000   | NaN       |  |  |  |  |  |
|    | 0.6  | 0.0000    | 0.000 | 0.000   | 0.000        | 0.000   | NaN       |  |  |  |  |  |
|    | 0.7  | 0.0000    | 0.693 | 0.000   | 0.000        | -0.000  | 1.000     |  |  |  |  |  |
|    | 0.8  | 0.0161    | 2.079 | 1.363   | 1.386        | -10.000 | 0.968     |  |  |  |  |  |
|    | 0.9  | 0.0342    | 5.719 | 4.564   | 4.564        | -0.000  | 1.000     |  |  |  |  |  |

|      |        | Sco    | re Report | For ML | NA on A | Algorithr | n Verifica | tion   |        | Score Report For MLNA on Algorithm Verification |  |  |  |  |  |  |  |  |  |  |  |
|------|--------|--------|-----------|--------|---------|-----------|------------|--------|--------|---|--|--|--|--|--|--|--|--|--|--|--|
|      | P      |        |           |        |         |           |            |        |        |   |  |  |  |  |  |  |  |  |  |  |  |
| N    | .1     | .2     | .3        | .4     | .5      | .6        | .7         | .8     | .9     | Mean  |  |  |  |  |  |  |  |  |  |  |  |
| 4    | -10.00 | -10.00 | -10.00    | -1.07  | -0.00   | 10.00     | -10.00     | -10.00 | 10.00  | -3.452  |  |  |  |  |  |  |  |  |  |  |  |
| 5    | -10.00 | -0.95  | -0.00     | -0.00  | -0.00   | -0.00     | -0.00      | 0.10   | -10.00 | -2.317  |  |  |  |  |  |  |  |  |  |  |  |
| 6    | -10.00 | 0.19   | -0.00     | -0.00  | -0.00   | -0.00     | 0.17       | -0.22  | -10.00 | -2.206  |  |  |  |  |  |  |  |  |  |  |  |
| 7    | -10.00 | -0.02  | -0.32     | -0.00  | -0.00   | -0.00     | -0.36      | 0.04   | -10.00 | -2.296  |  |  |  |  |  |  |  |  |  |  |  |
| 8    | 0.01   | -0.00  | -0.00     | -0.20  | -0.00   | 0.36      | -0.00      | -0.00  | -0.13  | 0.006   |  |  |  |  |  |  |  |  |  |  |  |
| 9    | -0.00  | -0.00  | -10.00    | -0.00  | -0.00   | -0.00     | -10.00     | -0.00  | -0.00  | -2.222  |  |  |  |  |  |  |  |  |  |  |  |
| 10   | -0.00  | -0.00  | -0.00     | 0.00   | 0.00    | 0.00      | -0.00      | -10.00 | -0.00  | -1.111  |  |  |  |  |  |  |  |  |  |  |  |
| Mean | -5.71  | -1.54  | -2.90     | -0.18  | -0.00   | 1.48      | -2.89      | -2.87  | -2.88  | -1.94   |  |  |  |  |  |  |  |  |  |  |  |

|   | Score Report For VLNA on Algorithm Verification          |        |       |       |       |        |       |  |  |  |  |  |
|---|--|--------|-------|-------|-------|--------|-------|--|--|--|--|--|
| N | N P Pooled SD Ideal Gilbert Verification Score Norm Diff |        |       |       |       |        |       |  |  |  |  |  |
|   | 0.1  | 0.0043 | 0.856 | 0.933 | 0.937 | -0.043 | 1.062 |  |  |  |  |  |
|   | 0.2  | 0.0081 | 0.758 | 0.881 | 0.872 | 0.048  | 0.932 |  |  |  |  |  |
|   | 0.3  | 0.0074 | 0.566 | 0.633 | 0.633 | -0.106 | 0.996 |  |  |  |  |  |

|   | Score Report For VLNA on Algorithm Verification  N   P   Pooled SD   Ideal   Cilbert   Verification   Score   Norm Diff |           |       |         |              |        |           |  |  |  |  |
|---|---|-----------|-------|---------|--------------|--------|-----------|--|--|--|--|
| N | Р   | Pooled SD | Ideal | Gilbert | Verification | Score  | Norm Diff |  |  |  |  |
|   | 0.4   | 0.0071    | 0.446 | 0.455   | 0.448        | 1.368  | 0.253     |  |  |  |  |
|   | 0.5   | 0.0060    | 0.411 | 0.389   | 0.384        | -0.328 | 1.217     |  |  |  |  |
|   | 0.6   | 0.0071    | 0.450 | 0.447   | 0.443        | -0.735 | 2.233     |  |  |  |  |
|   | 0.7   | 0.0081    | 0.558 | 0.632   | 0.631        | -0.047 | 0.991     |  |  |  |  |
|   | 0.8   | 0.0088    | 0.764 | 0.885   | 0.881        | -0.024 | 0.960     |  |  |  |  |
|   | 0.9   | 0.0059    | 0.855 | 0.929   | 0.936        | -0.194 | 1.096     |  |  |  |  |
|   | 0.1   | 0.0153    | 1.707 | 1.869   | 1.871        | -0.028 | 1.014     |  |  |  |  |
|   | 0.2   | 0.0232    | 1.137 | 1.369   | 1.343        | 0.120  | 0.889     |  |  |  |  |
|   | 0.3   | 0.0164    | 0.791 | 0.792   | 0.785        | -1.502 | -4.902    |  |  |  |  |
|   | 0.4   | 0.0114    | 0.695 | 0.465   | 0.483        | -0.094 | 0.925     |  |  |  |  |
| 5 | 0.5   | 0.0091    | 0.665 | 0.401   | 0.384        | 0.049  | 1.065     |  |  |  |  |
|   | 0.6   | 0.0118    | 0.676 | 0.509   | 0.497        | -0.095 | 1.072     |  |  |  |  |
|   | 0.7   | 0.0162    | 0.769 | 0.748   | 0.786        | 0.188  | -0.848    |  |  |  |  |
|   | 0.8   | 0.0201    | 1.179 | 1.330   | 1.342        | 0.014  | 1.078     |  |  |  |  |
|   | 0.9   | 0.0143    | 1.722 | 1.865   | 1.860        | -0.186 | 0.965     |  |  |  |  |
|   | 0.1   | 0.0316    | 2.583 | 3.013   | 2.964        | 0.074  | 0.888     |  |  |  |  |
|   | 0.2   | 0.0291    | 1.604 | 1.885   | 1.825        | 0.382  | 0.786     |  |  |  |  |
|   | 0.3   | 0.0236    | 1.240 | 0.963   | 0.985        | 0.113  | 0.923     |  |  |  |  |
|   | 0.4   | 0.0146    | 1.117 | 0.590   | 0.581        | -0.129 | 1.017     |  |  |  |  |
| 6 | 0.5   | 0.0118    | 1.032 | 0.471   | 0.473        | 0.032  | 0.996     |  |  |  |  |
|   | 0.6   | 0.0151    | 1.126 | 0.597   | 0.596        | -0.045 | 1.002     |  |  |  |  |
|   | 0.7   | 0.0218    | 1.295 | 0.949   | 0.962        | 0.092  | 0.964     |  |  |  |  |
|   | 0.8   | 0.0282    | 1.641 | 1.864   | 1.830        | 0.150  | 0.849     |  |  |  |  |
|   | 0.9   | 0.0404    | 2.576 | 3.012   | 3.011        | 0.045  | 0.996     |  |  |  |  |
|   | 0.1   | 0.0546    | 3.431 | 4.265   | 4.186        | 0.051  | 0.905     |  |  |  |  |
|   | 0.2   | 0.0441    | 2.213 | 2.228   | 2.212        | 2.551  | -0.072    |  |  |  |  |
|   | 0.3   | 0.0251    | 1.613 | 1.057   | 1.019        | -0.027 | 1.069     |  |  |  |  |
|   | 0.4   | 0.0184    | 1.175 | 0.518   | 0.520        | -0.012 | 0.997     |  |  |  |  |
| 7 | 0.5   | 0.0139    | 0.982 | 0.402   | 0.411        | 0.017  | 0.984     |  |  |  |  |
|   | 0.6   | 0.0156    | 1.168 | 0.519   | 0.521        | 0.010  | 0.996     |  |  |  |  |
|   | 0.7   | 0.0255    | 1.605 | 1.006   | 1.010        | 0.057  | 0.994     |  |  |  |  |
|   | 0.8   | 0.0380    | 2.241 | 2.213   | 2.211        | 0.032  | 1.083     |  |  |  |  |
|   | 0.9   | 0.0512    | 3.455 | 4.183   | 4.201        | 0.030  | 1.025     |  |  |  |  |
|   | 0.1   | 0.0827    | 4.413 | 5.562   | 5.597        | -0.093 | 1.031     |  |  |  |  |
|   | 0.2   | 0.0410    | 3.104 | 2.436   | 2.492        | 0.018  | 0.916     |  |  |  |  |
|   | 0.3   | 0.0240    | 1.814 | 0.918   | 0.904        | -0.150 | 1.016     |  |  |  |  |
|   | 0.4   | 0.0205    | 1.043 | 0.384   | 0.398        | 0.013  | 0.978     |  |  |  |  |
| 8 | 0.5   | 0.0138    | 0.773 | 0.294   | 0.295        | -0.045 | 0.998     |  |  |  |  |
|   | 0.6   | 0.0182    | 1.035 | 0.400   | 0.401        | -0.003 | 0.999     |  |  |  |  |
|   | 0.7   | 0.0334    | 1.866 | 0.898   | 0.901        | -0.019 | 0.997     |  |  |  |  |
|   | 0.8   | 0.0501    | 3.068 | 2.450   | 2.447        | -0.157 | 1.004     |  |  |  |  |

|    |                 | Score Repo | ort For V | /LNA on | Algorithm Ver | rification |           |
|----|-----------------|------------|-----------|---------|---------------|------------|-----------|
| N  | P               | Pooled SD  | Ideal     | Gilbert | Verification  | Score      | Norm Diff |
|    | 0.9             | 0.0926     | 4.435     | 5.430   | 5.519         | -0.273     | 1.089     |
|    | 0.1             | 0.0989     | 5.833     | 6.643   | 6.754         | -0.015     | 1.137     |
|    | 0.2             | 0.0485     | 3.592     | 2.479   | 2.398         | -0.060     | 1.072     |
|    | 0.3             | 0.0283     | 1.618     | 0.702   | 0.667         | -0.018     | 1.038     |
|    | 0.4             | 0.0121     | 0.702     | 0.267   | 0.260         | -0.030     | 1.015     |
| 9  | $\mid 0.5 \mid$ | 0.0086     | 0.482     | 0.183   | 0.182         | 0.025      | 1.001     |
|    | 0.6             | 0.0138     | 0.726     | 0.260   | 0.267         | -0.017     | 0.984     |
|    | 0.7             | 0.0275     | 1.687     | 0.719   | 0.677         | -0.067     | 1.043     |
|    | 0.8             | 0.0569     | 3.525     | 2.463   | 2.358         | -0.205     | 1.099     |
|    | 0.9             | 0.0973     | 5.740     | 6.743   | 6.791         | -0.193     | 1.048     |
|    | 0.1             | 0.1300     | 7.411     | 7.872   | 7.896         | -0.023     | 1.052     |
|    | 0.2             | 0.0525     | 3.951     | 2.227   | 2.167         | 0.066      | 1.034     |
|    | $\mid 0.3 \mid$ | 0.0223     | 1.272     | 0.475   | 0.487         | -0.021     | 0.985     |
|    | 0.4             | 0.0081     | 0.436     | 0.156   | 0.155         | -0.043     | 1.004     |
| 10 | $\mid 0.5 \mid$ | 0.0061     | 0.274     | 0.101   | 0.106         | 0.017      | 0.973     |
|    | 0.6             | 0.0089     | 0.423     | 0.159   | 0.157         | -0.014     | 1.008     |
|    | 0.7             | 0.0218     | 1.210     | 0.494   | 0.480         | -0.064     | 1.019     |
|    | 0.8             | 0.0486     | 3.888     | 2.180   | 2.262         | 0.122      | 0.952     |
|    | 0.9             | 0.1234     | 7.580     | 8.056   | 7.901         | 0.349      | 0.674     |

|      |       | Score | e Report | For VL | NA on A | Algorithr | n Verific | ation |       |        |  |
|------|-------|-------|----------|--------|---------|-----------|-----------|-------|-------|--------|--|
| P    |       |       |          |        |         |           |           |       |       |        |  |
| N    | .1    | .2    | .3       | .4     | .5      | .6        | .7        | .8    | .9    | Mean   |  |
| 4    | -0.04 | 0.05  | -0.11    | 1.37   | -0.33   | -0.74     | -0.05     | -0.02 | -0.19 | -0.007 |  |
| 5    | -0.03 | 0.12  | -1.50    | -0.09  | 0.05    | -0.10     | 0.19      | 0.01  | -0.19 | -0.170 |  |
| 6    | 0.07  | 0.38  | 0.11     | -0.13  | 0.03    | -0.04     | 0.09      | 0.15  | 0.04  | 0.079  |  |
| 7    | 0.05  | 2.55  | -0.03    | -0.01  | 0.02    | 0.01      | 0.06      | 0.03  | 0.03  | 0.301  |  |
| 8    | -0.09 | 0.02  | -0.15    | 0.01   | -0.04   | -0.00     | -0.02     | -0.16 | -0.27 | -0.079 |  |
| 9    | -0.01 | -0.06 | -0.02    | -0.03  | 0.02    | -0.02     | -0.07     | -0.20 | -0.19 | -0.064 |  |
| 10   | -0.02 | 0.07  | -0.02    | -0.04  | 0.02    | -0.01     | -0.06     | 0.12  | 0.35  | 0.043  |  |
| Mean | -0.01 | 0.45  | -0.24    | 0.15   | -0.03   | -0.13     | 0.02      | -0.01 | -0.06 | 0.01   |  |

|   |                 | Score Rep  | ort For | NUG on . | Algorithm Ver | rification |       |  |  |
|---|-----------------|--|---------|----------|---------------|------------|-------|--|--|
| N | P               | Pooled SD   Ideal   Gilbert   Verification   Score |         |          |               |            |       |  |  |
|   | 0.1             | 0.0002   | 0.001   | 0.001    | 0.001         | 0.276      | 0.750 |  |  |
|   | 0.2             | 0.0001   | 0.001   | 0.001    | 0.001         | 0.766      | 0.500 |  |  |
|   | 0.3             | 0.0000   | 0.001   | 0.001    | 0.001         | 10.000     | 0.000 |  |  |
|   | $\mid 0.4 \mid$ | 0.0000   | 0.001   | 0.001    | 0.001         | -10.000    | NaN   |  |  |
| 4 | 0.5             | 0.0001   | 0.001   | 0.001    | 0.001         | 10.000     | 0.000 |  |  |
|   | 0.6             | 0.0000   | 0.001   | 0.001    | 0.001         | -10.000    | NaN   |  |  |

| Score Report For NUG on Algorithm Verification  N P Pooled SD Ideal Gilbert Verification Score Norm Dif |     |        |       |       |       |         |           |  |  |
|---|-----|--------|-------|-------|-------|---------|-----------|--|--|
| N   | P   |        |       |       |       |         | Norm Diff |  |  |
|   | 0.7 | 0.0000 | 0.001 | 0.001 | 0.001 | -10.000 | NaN       |  |  |
|   | 0.8 | 0.0001 | 0.001 | 0.001 | 0.001 | -0.163  | 1.333     |  |  |
|   | 0.9 | 0.0002 | 0.001 | 0.002 | 0.002 | 0.490   | 0.600     |  |  |
|   | 0.1 | 0.0005 | 0.003 | 0.003 | 0.003 | -1.446  | -4.333    |  |  |
|   | 0.2 | 0.0004 | 0.004 | 0.003 | 0.003 | -0.016  | 1.000     |  |  |
|   | 0.3 | 0.0004 | 0.002 | 0.003 | 0.003 | -0.247  | 1.333     |  |  |
|   | 0.4 | 0.0002 | 0.001 | 0.002 | 0.002 | -0.182  | 1.050     |  |  |
| 5   | 0.5 | 0.0002 | 0.001 | 0.001 | 0.002 | -0.353  | 1.556     |  |  |
|   | 0.6 | 0.0002 | 0.001 | 0.001 | 0.001 | -0.082  | 1.000     |  |  |
|   | 0.7 | 0.0004 | 0.002 | 0.002 | 0.003 | -2.929  | 22.000    |  |  |
|   | 0.8 | 0.0005 | 0.004 | 0.003 | 0.003 | -0.611  | 1.647     |  |  |
|   | 0.9 | 0.0005 | 0.003 | 0.003 | 0.002 | -1.688  | 5.500     |  |  |
|   | 0.1 | 0.0008 | 0.008 | 0.007 | 0.008 | 1.858   | 0.161     |  |  |
|   | 0.2 | 0.0010 | 0.016 | 0.018 | 0.016 | 2.373   | 0.113     |  |  |
|   | 0.3 | 0.0015 | 0.022 | 0.020 | 0.022 | 2.503   | -0.075    |  |  |
|   | 0.4 | 0.0013 | 0.013 | 0.020 | 0.018 | 0.382   | 0.802     |  |  |
| 6   | 0.5 | 0.0010 | 0.005 | 0.016 | 0.018 | -0.227  | 1.177     |  |  |
|   | 0.6 | 0.0011 | 0.016 | 0.020 | 0.018 | 0.789   | 0.463     |  |  |
|   | 0.7 | 0.0012 | 0.021 | 0.020 | 0.021 | 1.644   | -0.176    |  |  |
|   | 0.8 | 0.0012 | 0.019 | 0.016 | 0.015 | -0.149  | 1.235     |  |  |
|   | 0.9 | 0.0009 | 0.008 | 0.007 | 0.008 | 0.852   | 0.409     |  |  |
|   | 0.1 | 0.0011 | 0.018 | 0.015 | 0.015 | -0.009  | 0.862     |  |  |
|   | 0.2 | 0.0021 | 0.069 | 0.065 | 0.059 | -0.865  | 2.333     |  |  |
|   | 0.3 | 0.0028 | 0.147 | 0.138 | 0.135 | -0.069  | 1.330     |  |  |
|   | 0.4 | 0.0042 | 0.273 | 0.230 | 0.231 | 0.034   | 0.962     |  |  |
| 7   | 0.5 | 0.0045 | 0.371 | 0.287 | 0.291 | 0.165   | 0.962     |  |  |
|   | 0.6 | 0.0047 | 0.277 | 0.230 | 0.234 | 0.171   | 0.907     |  |  |
|   | 0.7 | 0.0034 | 0.144 | 0.134 | 0.136 | 0.042   | 0.855     |  |  |
|   | 0.8 | 0.0021 | 0.062 | 0.063 | 0.059 | -0.540  | -1.783    |  |  |
|   | 0.9 | 0.0011 | 0.017 | 0.017 | 0.016 | -1.726  | 5.800     |  |  |
|   | 0.1 | 0.0018 | 0.040 | 0.034 | 0.035 | 0.086   | 0.839     |  |  |
|   | 0.2 | 0.0031 | 0.193 | 0.168 | 0.176 | 0.333   | 0.701     |  |  |
|   | 0.3 | 0.0043 | 0.532 | 0.469 | 0.476 | -0.002  | 0.898     |  |  |
|   | 0.4 | 0.0050 | 0.841 | 0.801 | 0.800 | -0.054  | 1.017     |  |  |
| 8   | 0.5 | 0.0047 | 0.915 | 0.891 | 0.890 | -0.120  | 1.026     |  |  |
|   | 0.6 | 0.0058 | 0.847 | 0.797 | 0.801 | 0.210   | 0.918     |  |  |
|   | 0.7 | 0.0059 | 0.536 | 0.474 | 0.478 | 0.036   | 0.937     |  |  |
|   | 0.8 | 0.0035 | 0.192 | 0.175 | 0.174 | 0.089   | 1.042     |  |  |
|   | 0.9 | 0.0015 | 0.037 | 0.034 | 0.034 | -0.001  | 1.012     |  |  |
|   | 0.1 | 0.0021 | 0.079 | 0.065 | 0.065 | 0.131   | 1.022     |  |  |
|   | 0.2 | 0.0044 | 0.429 | 0.375 | 0.376 | 0.079   | 0.986     |  |  |

9 59

|    |                 | Score Rep | ort For | NUG on  | Algorithm Ver | ification |           |
|----|-----------------|-----------|---------|---------|---------------|-----------|-----------|
| N  | P               | Pooled SD | Ideal   | Gilbert | Verification  | Score     | Norm Diff |
|    | 0.3             | 0.0042    | 0.905   | 0.842   | 0.844         | 0.102     | 0.971     |
|    | $\mid 0.4 \mid$ | 0.0015    | 0.989   | 0.987   | 0.986         | -0.261    | 1.615     |
|    | $\mid 0.5 \mid$ | 0.0010    | 0.995   | 0.996   | 0.996         | -1.316    | 3.750     |
|    | 0.6             | 0.0013    | 0.989   | 0.987   | 0.986         | -0.489    | 1.741     |
|    | $\mid 0.7 \mid$ | 0.0047    | 0.897   | 0.848   | 0.853         | 0.260     | 0.905     |
|    | 0.8             | 0.0056    | 0.437   | 0.377   | 0.378         | 0.001     | 0.985     |
|    | 0.9             | 0.0023    | 0.076   | 0.069   | 0.065         | -0.438    | 1.474     |
|    | 0.1             | 0.0027    | 0.144   | 0.120   | 0.119         | -0.035    | 1.041     |
|    | 0.2             | 0.0062    | 0.725   | 0.660   | 0.645         | -0.311    | 1.227     |
|    | 0.3             | 0.0017    | 0.990   | 0.984   | 0.985         | 0.005     | 0.857     |
|    | $\mid 0.4 \mid$ | 0.0003    | 0.999   | 1.000   | 0.999         | 2.478     | 0.125     |
| 10 | $\mid 0.5 \mid$ | 0.0002    | 1.000   | 1.000   | 1.000         | -0.000    | 1.000     |
|    | $\mid 0.6 \mid$ | 0.0003    | 1.000   | 1.000   | 1.000         | 0.090     | 1.000     |
|    | 0.7             | 0.0017    | 0.989   | 0.983   | 0.982         | -0.069    | 1.144     |
|    | 0.8             | 0.0046    | 0.726   | 0.650   | 0.652         | -0.061    | 0.964     |
|    | 0.9             | 0.0036    | 0.141   | 0.122   | 0.121         | -0.079    | 1.053     |

|      |       | Sc    | ore Repo | ort For N | UG on A | lgorithm | Verificati | on    |       |        |  |  |  |
|------|-------|-------|----------|-----------|---------|----------|------------|-------|-------|--------|--|--|--|
|      | P     |       |          |           |         |          |            |       |       |        |  |  |  |
| N    | .1    | .2    | .3       | .4        | .5      | .6       | .7         | .8    | .9    | Mean   |  |  |  |
| 4    | 0.28  | 0.77  | 10.00    | -10.00    | 10.00   | -10.00   | -10.00     | -0.16 | 0.49  | -0.959 |  |  |  |
| 5    | -1.45 | -0.02 | -0.25    | -0.18     | -0.35   | -0.08    | -2.93      | -0.61 | -1.69 | -0.839 |  |  |  |
| 6    | 1.86  | 2.37  | 2.50     | 0.38      | -0.23   | 0.79     | 1.64       | -0.15 | 0.85  | 1.114  |  |  |  |
| 7    | -0.01 | -0.86 | -0.07    | 0.03      | 0.17    | 0.17     | 0.04       | -0.54 | -1.73 | -0.311 |  |  |  |
| 8    | 0.09  | 0.33  | -0.00    | -0.05     | -0.12   | 0.21     | 0.04       | 0.09  | -0.00 | 0.064  |  |  |  |
| 9    | 0.13  | 0.08  | 0.10     | -0.26     | -1.32   | -0.49    | 0.26       | 0.00  | -0.44 | -0.215 |  |  |  |
| 10   | -0.04 | -0.31 | 0.00     | 2.48      | -0.00   | 0.09     | -0.07      | -0.06 | -0.08 | 0.224  |  |  |  |
| Mean | 0.12  | 0.34  | 1.76     | -1.09     | 1.16    | -1.33    | -1.57      | -0.20 | -0.37 | -0.13  |  |  |  |

|   |     | Score Rep | ort For | ANR on . | Algorithm Ver | ification |           |
|---|-----|-----------|---------|----------|---------------|-----------|-----------|
| N | P   | Pooled SD | Ideal   | Gilbert  | Verification  | Score     | Norm Diff |
|   | 0.1 | 0.0002    | 0.992   | 0.992    | 0.992         | 0.616     | 0.500     |
|   | 0.2 | 0.0002    | 0.990   | 0.990    | 0.990         | 0.621     | 0.500     |
|   | 0.3 | 0.0002    | 0.989   | 0.990    | 0.989         | 10.000    | 0.000     |
|   | 0.4 | 0.0000    | 0.989   | 0.989    | 0.989         | -10.000   | NaN       |
| 4 | 0.5 | 0.0000    | 0.989   | 0.989    | 0.989         | -10.000   | NaN       |
|   | 0.6 | 0.0000    | 0.989   | 0.989    | 0.989         | 10.000    | 0.000     |
|   | 0.7 | 0.0002    | 0.989   | 0.990    | 0.989         | 1.964     | -0.143    |
|   | 0.8 | 0.0002    | 0.990   | 0.990    | 0.990         | 10.000    | -0.000    |
|   | 0.9 | 0.0003    | 0.992   | 0.992    | 0.992         | -0.188    | 1.333     |

| Score Report For ANR on Algorithm Verification  N P Pooled SD Ideal Gilbert Verification Score Norm Diff |                 |           |       |         |              |        |           |  |  |  |
|--|-----------------|-----------|-------|---------|--------------|--------|-----------|--|--|--|
| N  | P               | Pooled SD | Ideal | Gilbert | Verification | Score  | Norm Diff |  |  |  |
|  | 0.1             | 0.0004    | 0.985 | 0.986   | 0.986        | 0.237  | 0.900     |  |  |  |
|  | 0.2             | 0.0004    | 0.975 | 0.977   | 0.977        | 0.007  | 1.073     |  |  |  |
|  | 0.3             | 0.0004    | 0.970 | 0.970   | 0.970        | 0.382  | 0.889     |  |  |  |
|  | 0.4             | 0.0002    | 0.967 | 0.968   | 0.967        | 2.349  | 0.071     |  |  |  |
| 5  | 0.5             | 0.0002    | 0.967 | 0.967   | 0.967        | 1.005  | 0.385     |  |  |  |
|  | 0.6             | 0.0002    | 0.967 | 0.967   | 0.967        | 2.333  | 0.100     |  |  |  |
|  | 0.7             | 0.0004    | 0.969 | 0.971   | 0.970        | 0.061  | 0.881     |  |  |  |
|  | 0.8             | 0.0004    | 0.976 | 0.977   | 0.977        | -0.337 | 1.250     |  |  |  |
|  | 0.9             | 0.0005    | 0.986 | 0.986   | 0.987        | -1.015 | 2.611     |  |  |  |
|  | 0.1             | 0.0009    | 0.972 | 0.974   | 0.974        | -0.249 | 1.131     |  |  |  |
|  | 0.2             | 0.0008    | 0.936 | 0.939   | 0.940        | -0.166 | 1.352     |  |  |  |
|  | 0.3             | 0.0013    | 0.892 | 0.902   | 0.902        | 0.077  | 0.963     |  |  |  |
|  | 0.4             | 0.0009    | 0.860 | 0.872   | 0.872        | 0.091  | 0.991     |  |  |  |
| 6  | 0.5             | 0.0006    | 0.849 | 0.861   | 0.861        | 0.186  | 0.997     |  |  |  |
|  | 0.6             | 0.0009    | 0.859 | 0.870   | 0.872        | -0.244 | 1.162     |  |  |  |
|  | 0.7             | 0.0011    | 0.893 | 0.902   | 0.902        | 0.077  | 0.996     |  |  |  |
|  | 0.8             | 0.0009    | 0.934 | 0.940   | 0.940        | 0.117  | 1.046     |  |  |  |
|  | 0.9             | 0.0007    | 0.972 | 0.974   | 0.974        | 0.212  | 1.000     |  |  |  |
|  | 0.1             | 0.0010    | 0.951 | 0.956   | 0.956        | 0.075  | 0.975     |  |  |  |
|  | 0.2             | 0.0018    | 0.838 | 0.855   | 0.858        | -0.058 | 1.200     |  |  |  |
|  | 0.3             | 0.0025    | 0.666 | 0.703   | 0.704        | 0.071  | 1.039     |  |  |  |
|  | 0.4             | 0.0032    | 0.465 | 0.535   | 0.534        | 0.019  | 0.977     |  |  |  |
| 7  | 0.5             | 0.0031    | 0.366 | 0.450   | 0.448        | 0.175  | 0.973     |  |  |  |
|  | 0.6             | 0.0032    | 0.464 | 0.535   | 0.532        | 0.133  | 0.950     |  |  |  |
|  | 0.7             | 0.0032    | 0.673 | 0.705   | 0.703        | -0.045 | 0.910     |  |  |  |
|  | 0.8             | 0.0019    | 0.843 | 0.855   | 0.859        | -0.116 | 1.306     |  |  |  |
|  | 0.9             | 0.0009    | 0.952 | 0.955   | 0.955        | 0.021  | 1.117     |  |  |  |
|  | 0.1             | 0.0017    | 0.911 | 0.923   | 0.922        | 0.020  | 0.911     |  |  |  |
|  | 0.2             | 0.0027    | 0.662 | 0.700   | 0.697        | 0.117  | 0.919     |  |  |  |
|  | 0.3             | 0.0033    | 0.287 | 0.358   | 0.352        | 0.056  | 0.917     |  |  |  |
|  | 0.4             | 0.0028    | 0.082 | 0.107   | 0.107        | -0.076 | 1.027     |  |  |  |
| 8  | 0.5             | 0.0024    | 0.043 | 0.056   | 0.056        | -0.155 | 1.050     |  |  |  |
|  | 0.6             | 0.0032    | 0.080 | 0.108   | 0.107        | 0.146  | 0.948     |  |  |  |
|  | 0.7             | 0.0048    | 0.285 | 0.350   | 0.349        | 0.013  | 0.984     |  |  |  |
|  | 0.8             | 0.0031    | 0.662 | 0.701   | 0.699        | 0.238  | 0.949     |  |  |  |
|  | 0.9             | 0.0015    | 0.914 | 0.923   | 0.923        | -0.100 | 1.004     |  |  |  |
|  | 0.1             | 0.0021    | 0.848 | 0.874   | 0.871        | 0.025  | 0.919     |  |  |  |
|  | 0.2             | 0.0036    | 0.403 | 0.473   | 0.473        | 0.129  | 1.000     |  |  |  |
|  | 0.3             | 0.0025    | 0.050 | 0.089   | 0.087        | 0.120  | 0.936     |  |  |  |
|  | 0.4             | 0.0008    | 0.005 | 0.006   | 0.007        | -0.299 | 1.677     |  |  |  |
| 9  | $\mid 0.5 \mid$ | 0.0005    | 0.002 | 0.002   | 0.002        | -1.238 | 3.500     |  |  |  |

|    |     | Score Rep | ort For | ANR on  | Algorithm Ver | ification |           |
|----|-----|-----------|---------|---------|---------------|-----------|-----------|
| N  | P   | Pooled SD | Ideal   | Gilbert | Verification  | Score     | Norm Diff |
|    | 0.6 | 0.0006    | 0.005   | 0.006   | 0.007         | -0.477    | 1.733     |
|    | 0.7 | 0.0027    | 0.054   | 0.086   | 0.082         | 0.269     | 0.891     |
|    | 0.8 | 0.0043    | 0.396   | 0.472   | 0.470         | 0.108     | 0.974     |
|    | 0.9 | 0.0021    | 0.850   | 0.869   | 0.871         | -0.237    | 1.093     |
|    | 0.1 | 0.0024    | 0.754   | 0.796   | 0.796         | 0.079     | 0.987     |
|    | 0.2 | 0.0043    | 0.162   | 0.223   | 0.235         | -0.332    | 1.188     |
|    | 0.3 | 0.0009    | 0.005   | 0.008   | 0.008         | 0.002     | 0.869     |
|    | 0.4 | 0.0002    | 0.000   | 0.000   | 0.000         | 2.478     | 0.125     |
| 10 | 0.5 | 0.0001    | 0.000   | 0.000   | 0.000         | -0.000    | 1.000     |
|    | 0.6 | 0.0001    | 0.000   | 0.000   | 0.000         | 0.090     | 1.000     |
|    | 0.7 | 0.0009    | 0.005   | 0.009   | 0.009         | -0.060    | 1.084     |
|    | 0.8 | 0.0027    | 0.163   | 0.233   | 0.230         | -0.084    | 0.953     |
|    | 0.9 | 0.0036    | 0.758   | 0.792   | 0.794         | -0.119    | 1.069     |

|      |       | Sc    | ore Repo | ort For Al | NR on Al | gorithm | Verificat | ion   |       |        |  |
|------|-------|-------|----------|------------|----------|---------|-----------|-------|-------|--------|--|
| P    |       |       |          |            |          |         |           |       |       |        |  |
| N    | .1    | .2    | .3       | .4         | .5       | .6      | .7        | .8    | .9    | Mean   |  |
| 4    | 0.62  | 0.62  | 10.00    | -10.00     | -10.00   | 10.00   | 1.96      | 10.00 | -0.19 | 1.446  |  |
| 5    | 0.24  | 0.01  | 0.38     | 2.35       | 1.00     | 2.33    | 0.06      | -0.34 | -1.01 | 0.558  |  |
| 6    | -0.25 | -0.17 | 0.08     | 0.09       | 0.19     | -0.24   | 0.08      | 0.12  | 0.21  | 0.011  |  |
| 7    | 0.08  | -0.06 | 0.07     | 0.02       | 0.17     | 0.13    | -0.04     | -0.12 | 0.02  | 0.030  |  |
| 8    | 0.02  | 0.12  | 0.06     | -0.08      | -0.15    | 0.15    | 0.01      | 0.24  | -0.10 | 0.029  |  |
| 9    | 0.02  | 0.13  | 0.12     | -0.30      | -1.24    | -0.48   | 0.27      | 0.11  | -0.24 | -0.178 |  |
| 10   | 0.08  | -0.33 | 0.00     | 2.48       | -0.00    | 0.09    | -0.06     | -0.08 | -0.12 | 0.228  |  |
| Mean | 0.11  | 0.05  | 1.53     | -0.78      | -1.43    | 1.71    | 0.33      | 1.42  | -0.20 | 0.30   |  |

|   |     | Score Re  | port For N | INR on A | lgorithm Verif | ication |           |
|---|-----|-----------|------------|----------|----------------|---------|-----------|
| N | P   | Pooled SD | Ideal      | Gilbert  | Verification   | Score   | Norm Diff |
|   | 0.1 | 4.5556    | 532.700    | 540.033  | 526.667        | 0.245   | -0.823    |
|   | 0.2 | 5.1565    | 400.300    | 392.467  | 397.533        | 0.956   | 0.353     |
|   | 0.3 | 4.6315    | 297.433    | 298.167  | 300.633        | -1.637  | 4.364     |
|   | 0.4 | 3.7348    | 185.500    | 246.800  | 246.433        | -0.005  | 0.994     |
| 4 | 0.5 | 2.5415    | 129.267    | 201.800  | 199.900        | -0.020  | 0.974     |
|   | 0.6 | 5.0408    | 186.667    | 252.000  | 249.733        | 0.107   | 0.965     |
|   | 0.7 | 4.4300    | 306.600    | 303.633  | 303.400        | -0.033  | 1.079     |
|   | 0.8 | 5.2985    | 394.167    | 390.533  | 391.033        | 0.350   | 0.862     |
|   | 0.9 | 5.0135    | 527.667    | 525.800  | 531.267        | -0.753  | -1.929    |
|   | 0.1 | 4.7692    | 393.067    | 388.567  | 390.567        | 0.612   | 0.556     |
|   | 0.2 | 4.2526    | 268.333    | 273.433  | 265.567        | 0.451   | -0.542    |
|   | 0.3 | 3.1552    | 126.933    | 155.900  | 155.200        | -0.126  | 0.976     |

|   | Score Report For MNR on Algorithm Verification  N P Pooled SD Ideal Gilbert Verification Score Norm Diff |           |         |         |              |        |           |  |  |  |  |  |
|---|--|-----------|---------|---------|--------------|--------|-----------|--|--|--|--|--|
| N | P  | Pooled SD | Ideal   | Gilbert | Verification | Score  | Norm Diff |  |  |  |  |  |
|   | 0.4  | 2.5589    | 68.733  | 110.667 | 108.833      | -0.128 | 0.956     |  |  |  |  |  |
|   | 0.5  | 1.4177    | 49.233  | 70.700  | 70.800       | -0.204 | 1.005     |  |  |  |  |  |
|   | 0.6  | 2.1910    | 67.267  | 104.933 | 106.667      | -0.051 | 1.046     |  |  |  |  |  |
|   | 0.7  | 2.6610    | 127.467 | 157.700 | 154.200      | 0.186  | 0.884     |  |  |  |  |  |
|   | 0.8  | 4.6164    | 272.033 | 265.900 | 270.033      | 1.053  | 0.326     |  |  |  |  |  |
|   | 0.9  | 4.2719    | 384.200 | 392.233 | 391.333      | 0.146  | 0.888     |  |  |  |  |  |
|   | 0.1  | 4.4796    | 339.733 | 340.467 | 346.800      | -2.370 | 9.636     |  |  |  |  |  |
|   | 0.2  | 2.6325    | 136.100 | 139.500 | 137.633      | 0.805  | 0.451     |  |  |  |  |  |
|   | 0.3  | 1.8838    | 52.400  | 73.100  | 71.500       | -0.075 | 0.923     |  |  |  |  |  |
|   | 0.4  | 0.9974    | 20.900  | 37.567  | 37.533       | 0.108  | 0.998     |  |  |  |  |  |
| 6 | 0.5  | 0.9279    | 16.233  | 29.833  | 28.533       | -0.189 | 0.904     |  |  |  |  |  |
|   | 0.6  | 1.1601    | 20.900  | 36.767  | 37.800       | 0.137  | 1.065     |  |  |  |  |  |
|   | 0.7  | 1.8622    | 50.833  | 73.533  | 73.500       | -0.040 | 0.999     |  |  |  |  |  |
|   | 0.8  | 2.5942    | 136.233 | 136.700 | 140.567      | -2.264 | 9.286     |  |  |  |  |  |
|   | 0.9  | 5.2005    | 339.367 | 344.500 | 339.800      | 2.536  | 0.084     |  |  |  |  |  |
|   | 0.1  | 4.4517    | 258.733 | 254.667 | 254.033      | -0.191 | 1.156     |  |  |  |  |  |
|   | 0.2  | 2.6960    | 65.300  | 92.433  | 91.733       | 0.417  | 0.974     |  |  |  |  |  |
|   | 0.3  | 0.9597    | 17.467  | 32.300  | 30.133       | 0.195  | 0.854     |  |  |  |  |  |
|   | 0.4  | 0.6060    | 7.667   | 12.833  | 12.667       | 0.106  | 0.968     |  |  |  |  |  |
| 7 | $\mid 0.5 \mid$  | 0.2819    | 5.467   | 7.433   | 7.300        | -0.145 | 0.932     |  |  |  |  |  |
|   | 0.6  | 0.5239    | 7.600   | 13.633  | 13.333       | 0.328  | 0.950     |  |  |  |  |  |
|   | 0.7  | 1.0487    | 18.100  | 31.700  | 31.067       | 0.305  | 0.953     |  |  |  |  |  |
|   | 0.8  | 2.8227    | 67.500  | 91.367  | 89.600       | 0.348  | 0.926     |  |  |  |  |  |
|   | 0.9  | 3.9106    | 254.833 | 256.133 | 254.400      | 1.156  | -0.333    |  |  |  |  |  |
|   | 0.1  | 4.1655    | 161.333 | 166.133 | 163.733      | 0.734  | 0.500     |  |  |  |  |  |
|   | 0.2  | 1.8851    | 27.733  | 54.667  | 51.033       | 0.633  | 0.865     |  |  |  |  |  |
|   | 0.3  | 0.5596    | 7.300   | 13.100  | 12.533       | 0.194  | 0.902     |  |  |  |  |  |
|   | 0.4  | 0.2257    | 3.567   | 4.133   | 4.133        | 0.182  | 1.000     |  |  |  |  |  |
| 8 | $\mid 0.5 \mid$  | 0.1323    | 2.667   | 2.933   | 3.100        | -0.261 | 1.625     |  |  |  |  |  |
|   | 0.6  | 0.2035    | 3.067   | 3.933   | 4.300        | -0.295 | 1.423     |  |  |  |  |  |
|   | $\mid 0.7 \mid$  | 0.5428    | 7.133   | 12.833  | 12.667       | -0.224 | 0.971     |  |  |  |  |  |
|   | 0.8  | 1.5852    | 27.167  | 53.033  | 52.633       | 0.058  | 0.985     |  |  |  |  |  |
|   | 0.9  | 3.5086    | 163.900 | 160.633 | 162.700      | 1.062  | 0.367     |  |  |  |  |  |
|   | 0.1  | 2.8081    | 94.900  | 123.967 | 119.100      | 0.005  | 0.833     |  |  |  |  |  |
|   | 0.2  | 0.7996    | 12.633  | 22.433  | 21.933       | 0.375  | 0.949     |  |  |  |  |  |
|   | 0.3  | 0.2709    | 3.300   | 4.833   | 4.567        | 0.381  | 0.826     |  |  |  |  |  |
|   | $\mid 0.4 \mid$  | 0.0905    | 2.133   | 2.033   | 2.100        | 1.263  | 0.333     |  |  |  |  |  |
| 9 | $\mid 0.5 \mid$  | 0.1150    | 1.833   | 1.933   | 1.867        | 1.332  | 0.333     |  |  |  |  |  |
|   | 0.6  | 0.0655    | 2.000   | 2.067   | 2.067        | -0.000 | 1.000     |  |  |  |  |  |
|   | 0.7  | 0.3651    | 3.467   | 5.333   | 4.933        | -0.216 | 0.786     |  |  |  |  |  |
|   | 0.8  | 0.9215    | 12.133  | 21.733  | 21.867       | 0.003  | 1.014     |  |  |  |  |  |

|    |     | Score Re  | port For N | INR on A | lgorithm Verif | ication |           |
|----|-----|-----------|------------|----------|----------------|---------|-----------|
| N  | P   | Pooled SD | Ideal      | Gilbert  | Verification   | Score   | Norm Diff |
|    | 0.9 | 2.4964    | 95.200     | 118.000  | 118.633        | -0.056  | 1.028     |
|    | 0.1 | 2.6045    | 59.633     | 90.267   | 89.800         | -0.066  | 0.985     |
|    | 0.2 | 0.4948    | 5.800      | 10.800   | 10.433         | 0.306   | 0.927     |
|    | 0.3 | 0.1306    | 2.067      | 2.300    | 2.333          | -0.112  | 1.143     |
|    | 0.4 | 0.1238    | 1.333      | 1.067    | 1.200          | 0.841   | 0.500     |
| 10 | 0.5 | 0.0893    | 1.000      | 1.133    | 1.133          | -0.000  | 1.000     |
|    | 0.6 | 0.1312    | 1.200      | 1.233    | 1.200          | 10.000  | 0.000     |
|    | 0.7 | 0.1328    | 2.000      | 2.467    | 2.267          | 0.586   | 0.571     |
|    | 0.8 | 0.4033    | 6.167      | 10.733   | 10.133         | 0.027   | 0.869     |
|    | 0.9 | 2.5688    | 57.967     | 87.333   | 91.400         | -0.329  | 1.138     |

|      | Score Report For MNR on Algorithm Verification |      |       |       |       |       |       |       |       |        |  |  |
|------|--|------|-------|-------|-------|-------|-------|-------|-------|--------|--|--|
|      | P  |      |       |       |       |       |       |       |       |        |  |  |
| N    | .1   | .2   | .3    | .4    | .5    | .6    | .7    | .8    | .9    | Mean   |  |  |
| 4    | 0.25   | 0.96 | -1.64 | -0.00 | -0.02 | 0.11  | -0.03 | 0.35  | -0.75 | -0.088 |  |  |
| 5    | 0.61   | 0.45 | -0.13 | -0.13 | -0.20 | -0.05 | 0.19  | 1.05  | 0.15  | 0.215  |  |  |
| 6    | -2.37  | 0.80 | -0.08 | 0.11  | -0.19 | 0.14  | -0.04 | -2.26 | 2.54  | -0.150 |  |  |
| 7    | -0.19  | 0.42 | 0.20  | 0.11  | -0.14 | 0.33  | 0.30  | 0.35  | 1.16  | 0.280  |  |  |
| 8    | 0.73   | 0.63 | 0.19  | 0.18  | -0.26 | -0.29 | -0.22 | 0.06  | 1.06  | 0.232  |  |  |
| 9    | 0.00   | 0.37 | 0.38  | 1.26  | 1.33  | -0.00 | -0.22 | 0.00  | -0.06 | 0.343  |  |  |
| 10   | -0.07  | 0.31 | -0.11 | 0.84  | -0.00 | 10.00 | 0.59  | 0.03  | -0.33 | 1.250  |  |  |
| Mean | -0.15  | 0.56 | -0.17 | 0.34  | 0.07  | 1.46  | 0.08  | -0.06 | 0.54  | 0.30   |  |  |

|   |     | Score Rep | ort For So | QNR on A | lgorithm Verit | fication |           |
|---|-----|-----------|------------|----------|----------------|----------|-----------|
| N | P   | Pooled SD | Ideal      | Gilbert  | Verification   | Score    | Norm Diff |
|   | 0.1 | 2.6676    | 411.811    | 420.851  | 412.626        | 2.349    | 0.090     |
|   | 0.2 | 2.7645    | 259.917    | 268.322  | 269.415        | -0.309   | 1.130     |
|   | 0.3 | 1.9387    | 170.890    | 195.230  | 195.297        | 0.006    | 1.003     |
|   | 0.4 | 1.3393    | 122.295    | 150.499  | 151.099        | -0.093   | 1.021     |
| 4 | 0.5 | 0.9338    | 106.321    | 137.872  | 137.649        | 0.239    | 0.993     |
|   | 0.6 | 1.6167    | 121.474    | 152.704  | 152.748        | 0.263    | 1.001     |
|   | 0.7 | 2.0323    | 174.619    | 195.072  | 194.628        | -0.005   | 0.978     |
|   | 0.8 | 2.5504    | 257.054    | 268.187  | 266.568        | 0.337    | 0.855     |
|   | 0.9 | 3.2938    | 409.931    | 413.721  | 413.968        | -0.227   | 1.065     |
|   | 0.1 | 2.4581    | 293.516    | 296.957  | 295.475        | 0.577    | 0.569     |
|   | 0.2 | 1.6996    | 140.790    | 151.644  | 150.486        | 0.100    | 0.893     |
|   | 0.3 | 0.8024    | 69.399     | 83.441   | 83.775         | 0.035    | 1.024     |
|   | 0.4 | 0.5850    | 41.586     | 55.850   | 54.778         | 0.011    | 0.925     |
| 5 | 0.5 | 0.3652    | 33.893     | 45.916   | 46.335         | -0.132   | 1.035     |
|   | 0.6 | 0.5219    | 41.332     | 53.946   | 54.274         | -0.261   | 1.026     |

|   | Score Report For SQNR on Algorithm Verification  N P Pooled SD Ideal Gilbert Verification Score Norm Diff |           |         |         |              |        |           |  |  |  |  |
|---|---|-----------|---------|---------|--------------|--------|-----------|--|--|--|--|
| N | P   | Pooled SD | Ideal   | Gilbert | Verification | Score  | Norm Diff |  |  |  |  |
|   | 0.7   | 0.9583    | 69.972  | 84.789  | 84.113       | -0.122 | 0.954     |  |  |  |  |
|   | 0.8   | 1.8531    | 142.109 | 151.570 | 152.056      | -0.124 | 1.051     |  |  |  |  |
|   | 0.9   | 2.4129    | 287.569 | 294.966 | 295.900      | -0.096 | 1.126     |  |  |  |  |
|   | 0.1   | 2.1819    | 199.628 | 202.412 | 203.686      | -0.463 | 1.458     |  |  |  |  |
|   | 0.2   | 0.9606    | 62.896  | 75.636  | 75.504       | 0.039  | 0.990     |  |  |  |  |
|   | 0.3   | 0.3876    | 21.771  | 30.981  | 30.906       | -0.005 | 0.992     |  |  |  |  |
|   | 0.4   | 0.1294    | 10.297  | 15.138  | 15.227       | 0.047  | 1.018     |  |  |  |  |
| 6 | 0.5   | 0.1266    | 8.047   | 11.769  | 11.844       | 0.114  | 1.020     |  |  |  |  |
|   | 0.6   | 0.1781    | 10.242  | 15.175  | 15.371       | 0.133  | 1.040     |  |  |  |  |
|   | 0.7   | 0.3993    | 21.797  | 31.090  | 30.948       | 0.132  | 0.985     |  |  |  |  |
|   | 0.8   | 0.9116    | 64.220  | 76.060  | 75.237       | 0.003  | 0.930     |  |  |  |  |
|   | 0.9   | 2.3795    | 197.759 | 204.390 | 201.037      | 0.755  | 0.494     |  |  |  |  |
|   | 0.1   | 1.6298    | 126.637 | 133.870 | 132.928      | 0.160  | 0.870     |  |  |  |  |
|   | 0.2   | 0.4794    | 25.038  | 34.131  | 34.749       | 0.028  | 1.068     |  |  |  |  |
|   | 0.3   | 0.1125    | 5.921   | 9.325   | 9.087        | 0.107  | 0.930     |  |  |  |  |
|   | 0.4   | 0.0437    | 2.601   | 3.557   | 3.503        | -0.069 | 0.944     |  |  |  |  |
| 7 | 0.5   | 0.0197    | 1.988   | 2.511   | 2.491        | 0.052  | 0.963     |  |  |  |  |
|   | 0.6   | 0.0387    | 2.594   | 3.559   | 3.488        | 0.111  | 0.927     |  |  |  |  |
|   | 0.7   | 0.1541    | 6.164   | 9.346   | 8.961        | -0.085 | 0.879     |  |  |  |  |
|   | 0.8   | 0.5463    | 24.957  | 34.004  | 34.029       | 0.101  | 1.003     |  |  |  |  |
|   | 0.9   | 1.8013    | 127.663 | 134.840 | 133.483      | 0.161  | 0.811     |  |  |  |  |
|   | 0.1   | 1.2691    | 73.961  | 84.261  | 84.019       | -0.017 | 0.977     |  |  |  |  |
|   | 0.2   | 0.2341    | 8.571   | 13.616  | 13.465       | 0.128  | 0.970     |  |  |  |  |
|   | 0.3   | 0.0354    | 1.921   | 2.674   | 2.619        | 0.240  | 0.927     |  |  |  |  |
|   | 0.4   | 0.0084    | 1.177   | 1.247   | 1.249        | -0.041 | 1.037     |  |  |  |  |
| 8 | 0.5   | 0.0053    | 1.088   | 1.116   | 1.119        | -0.201 | 1.106     |  |  |  |  |
|   | 0.6   | 0.0085    | 1.172   | 1.248   | 1.249        | 0.049  | 1.006     |  |  |  |  |
|   | 0.7   | 0.0425    | 1.917   | 2.570   | 2.594        | 0.090  | 1.037     |  |  |  |  |
|   | 0.8   | 0.2284    | 8.601   | 14.008  | 13.667       | 0.223  | 0.937     |  |  |  |  |
|   | 0.9   | 1.2028    | 75.049  | 83.531  | 83.711       | -0.162 | 1.021     |  |  |  |  |
|   | 0.1   | 0.7692    | 38.067  | 52.363  | 51.992       | -0.044 | 0.974     |  |  |  |  |
|   | 0.2   | 0.0870    | 3.076   | 4.925   | 4.938        | 0.336  | 1.007     |  |  |  |  |
|   | 0.3   | 0.0085    | 1.111   | 1.235   | 1.219        | 0.142  | 0.872     |  |  |  |  |
|   | 0.4   | 0.0017    | 1.011   | 1.013   | 1.014        | -0.382 | 1.821     |  |  |  |  |
| 9 | 0.5   | 0.0010    | 1.005   | 1.004   | 1.004        | -1.062 | 3.000     |  |  |  |  |
|   | 0.6   | 0.0013    | 1.011   | 1.013   | 1.015        | -0.445 | 1.719     |  |  |  |  |
|   | 0.7   | 0.0085    | 1.118   | 1.226   | 1.211        | 0.316  | 0.857     |  |  |  |  |
|   | 0.8   | 0.0967    | 3.005   | 4.891   | 4.837        | -0.145 | 0.972     |  |  |  |  |
|   | 0.9   | 0.7532    | 38.474  | 51.882  | 51.440       | 0.206  | 0.967     |  |  |  |  |
|   | 0.1   | 0.4778    | 19.731  | 30.300  | 29.991       | -0.071 | 0.971     |  |  |  |  |
|   | 0.2   | 0.0289    | 1.466   | 1.946   | 2.012        | -0.355 | 1.137     |  |  |  |  |

|   | Score Report For SQNR on Algorithm Verification |           |        |              |        |           |       |  |  |  |  |  |
|---|---|-----------|--------|--------------|--------|-----------|-------|--|--|--|--|--|
| N | P   | Pooled SD | Ideal  | Verification | Score  | Norm Diff |       |  |  |  |  |  |
|   | 0.3   | 0.0019    | 1.010  | 1.017        | 1.017  | 0.003     | 0.889 |  |  |  |  |  |
|   | 0.4   | 0.0003    | 1.001  | 1.000        | 1.001  | 2.478     | 0.125 |  |  |  |  |  |
|   | 0.5   | 0.0002    | 1.000  | 1.000        | 1.000  | -0.000    | 1.000 |  |  |  |  |  |
|   | 0.6   | 0.0003    | 1.000  | 1.000        | 1.000  | 0.090     | 1.000 |  |  |  |  |  |
|   | 0.7   | 0.0019    | 1.011  | 1.019        | 1.019  | -0.062    | 1.000 |  |  |  |  |  |
|   | 0.8   | 0.0229    | 1.476  | 2.029        | 1.990  | -0.014    | 0.929 |  |  |  |  |  |
|   | 0.9   | 0.5998    | 19.923 | 29.085       | 29.384 | -0.036    | 1.033 |  |  |  |  |  |

|      |       | Score | e Report | For SQ | NR on A | Algorithm | n Verific | ation |       |        |  |  |
|------|-------|-------|----------|--------|---------|-----------|-----------|-------|-------|--------|--|--|
|      | Р     |       |          |        |         |           |           |       |       |        |  |  |
| N    | .1    | .2    | .3       | .4     | .5      | .6        | .7        | .8    | .9    | Mean   |  |  |
| 4    | 2.35  | -0.31 | 0.01     | -0.09  | 0.24    | 0.26      | -0.00     | 0.34  | -0.23 | 0.284  |  |  |
| 5    | 0.58  | 0.10  | 0.04     | 0.01   | -0.13   | -0.26     | -0.12     | -0.12 | -0.10 | -0.001 |  |  |
| 6    | -0.46 | 0.04  | -0.01    | 0.05   | 0.11    | 0.13      | 0.13      | 0.00  | 0.75  | 0.084  |  |  |
| 7    | 0.16  | 0.03  | 0.11     | -0.07  | 0.05    | 0.11      | -0.09     | 0.10  | 0.16  | 0.063  |  |  |
| 8    | -0.02 | 0.13  | 0.24     | -0.04  | -0.20   | 0.05      | 0.09      | 0.22  | -0.16 | 0.034  |  |  |
| 9    | -0.04 | 0.34  | 0.14     | -0.38  | -1.06   | -0.45     | 0.32      | -0.14 | 0.21  | -0.120 |  |  |
| 10   | -0.07 | -0.35 | 0.00     | 2.48   | -0.00   | 0.09      | -0.06     | -0.01 | -0.04 | 0.226  |  |  |
| Mean | 0.36  | -0.00 | 0.08     | 0.28   | -0.14   | -0.01     | 0.04      | 0.05  | 0.09  | 0.08   |  |  |

|   | Score Report For PDL on Algorithm Verification |           |         |         |              |         |           |  |  |  |  |  |
|---|--|-----------|---------|---------|--------------|---------|-----------|--|--|--|--|--|
| N | P  | Pooled SD | Ideal   | Gilbert | Verification | Score   | Norm Diff |  |  |  |  |  |
|   | 0.1  | 4.1875    | 128.505 | 131.548 | 130.026      | 0.600   | 0.500     |  |  |  |  |  |
|   | 0.2  | 1.8434    | 102.357 | 103.098 | 102.660      | 0.829   | 0.409     |  |  |  |  |  |
|   | 0.3  | 1.4522    | 95.455  | 96.364  | 95.455       | 10.000  | 0.000     |  |  |  |  |  |
|   | 0.4  | 0.0000    | 90.909  | 90.909  | 90.909       | -10.000 | NaN       |  |  |  |  |  |
| 4 | 0.5  | 0.0000    | 90.909  | 90.909  | 90.909       | -10.000 | NaN       |  |  |  |  |  |
|   | 0.6  | 0.4211    | 90.909  | 91.515  | 90.909       | 10.000  | 0.000     |  |  |  |  |  |
|   | 0.7  | 1.4202    | 94.848  | 96.970  | 94.545       | 1.964   | -0.143    |  |  |  |  |  |
|   | 0.8  | 1.8627    | 101.852 | 101.751 | 102.079      | -0.796  | -2.250    |  |  |  |  |  |
|   | 0.9  | 4.2682    | 129.960 | 128.307 | 128.135      | -0.055  | 1.104     |  |  |  |  |  |
|   | 0.1  | 2.1987    | 69.447  | 74.351  | 74.165       | 0.182   | 0.962     |  |  |  |  |  |
|   | 0.2  | 0.8000    | 39.836  | 42.913  | 43.200       | -0.033  | 1.093     |  |  |  |  |  |
|   | 0.3  | 0.4011    | 32.886  | 33.552  | 33.522       | 0.333   | 0.955     |  |  |  |  |  |
|   | $\mid 0.4 \mid$                                | 0.1862    | 30.461  | 30.915  | 30.496       | 2.215   | 0.078     |  |  |  |  |  |
| 5 | $\mid 0.5 \mid$                                | 0.2035    | 30.437  | 30.043  | 30.288       | 1.028   | 0.377     |  |  |  |  |  |
|   | 0.6  | 0.1888    | 30.563  | 30.251  | 30.530       | 2.272   | 0.108     |  |  |  |  |  |
|   | 0.7  | 0.5035    | 32.489  | 34.117  | 33.909       | 0.062   | 0.872     |  |  |  |  |  |
|   | 0.8  | 0.7920    | 41.449  | 43.405  | 43.848       | -0.317  | 1.226     |  |  |  |  |  |
|   | 0.9  | 2.5625    | 70.095  | 72.673  | 78.020       | -1.102  | 3.074     |  |  |  |  |  |

| Score Report For PDL on Algorithm Verification |     |           |        |         |              |        |           |  |  |
|--|-----|-----------|--------|---------|--------------|--------|-----------|--|--|
| N  | P   | Pooled SD | Ideal  | Gilbert | Verification | Score  | Norm Diff |  |  |
|  | 0.1 | 1.3387    | 36.104 | 39.152  | 39.356       | -0.175 | 1.067     |  |  |
|  | 0.2 | 0.2140    | 15.548 | 16.442  | 16.798       | -0.139 | 1.399     |  |  |
|  | 0.3 | 0.1300    | 9.293  | 10.214  | 10.179       | 0.103  | 0.963     |  |  |
|  | 0.4 | 0.0556    | 7.169  | 7.799   | 7.794        | 0.102  | 0.992     |  |  |
| 6  | 0.5 | 0.0321    | 6.605  | 7.218   | 7.217        | 0.182  | 0.999     |  |  |
|  | 0.6 | 0.0508    | 7.090  | 7.711   | 7.820        | -0.249 | 1.176     |  |  |
|  | 0.7 | 0.1149    | 9.365  | 10.202  | 10.201       | 0.046  | 0.999     |  |  |
|  | 0.8 | 0.2476    | 15.208 | 16.698  | 16.795       | 0.145  | 1.065     |  |  |
|  | 0.9 | 1.0698    | 35.979 | 38.937  | 39.201       | 0.155  | 1.089     |  |  |
|  | 0.1 | 0.4679    | 20.415 | 22.852  | 22.808       | 0.103  | 0.982     |  |  |
|  | 0.2 | 0.0825    | 6.195  | 6.886   | 7.050        | -0.045 | 1.238     |  |  |
|  | 0.3 | 0.0267    | 3.000  | 3.366   | 3.383        | 0.084  | 1.046     |  |  |
|  | 0.4 | 0.0138    | 1.870  | 2.152   | 2.145        | 0.004  | 0.974     |  |  |
| 7  | 0.5 | 0.0089    | 1.577  | 1.819   | 1.812        | 0.241  | 0.970     |  |  |
|  | 0.6 | 0.0134    | 1.868  | 2.152   | 2.136        | 0.161  | 0.944     |  |  |
|  | 0.7 | 0.0348    | 3.061  | 3.400   | 3.364        | -0.071 | 0.895     |  |  |
|  | 0.8 | 0.0886    | 6.394  | 6.919   | 7.107        | -0.086 | 1.359     |  |  |
|  | 0.9 | 0.4541    | 20.813 | 22.237  | 22.473       | 0.019  | 1.166     |  |  |
|  | 0.1 | 0.2677    | 11.333 | 13.119  | 12.919       | 0.002  | 0.888     |  |  |
|  | 0.2 | 0.0280    | 2.959  | 3.341   | 3.306        | 0.123  | 0.910     |  |  |
|  | 0.3 | 0.0076    | 1.403  | 1.558   | 1.543        | 0.048  | 0.909     |  |  |
|  | 0.4 | 0.0035    | 1.090  | 1.120   | 1.120        | -0.080 | 1.027     |  |  |
| 8  | 0.5 | 0.0027    | 1.045  | 1.059   | 1.060        | -0.157 | 1.048     |  |  |
|  | 0.6 | 0.0040    | 1.087  | 1.121   | 1.120        | 0.154  | 0.948     |  |  |
|  | 0.7 | 0.0109    | 1.400  | 1.540   | 1.538        | 0.013  | 0.983     |  |  |
|  | 0.8 | 0.0320    | 2.964  | 3.342   | 3.323        | 0.278  | 0.949     |  |  |
|  | 0.9 | 0.2389    | 11.669 | 13.011  | 13.001       | -0.101 | 0.993     |  |  |
|  | 0.1 | 0.1169    | 6.575  | 7.930   | 7.796        | 0.023  | 0.901     |  |  |
|  | 0.2 | 0.0119    | 1.675  | 1.898   | 1.898        | 0.171  | 1.002     |  |  |
|  | 0.3 | 0.0029    | 1.053  | 1.098   | 1.095        | 0.116  | 0.934     |  |  |
|  | 0.4 | 0.0008    | 1.005  | 1.006   | 1.007        | -0.300 | 1.685     |  |  |
| 9  | 0.5 | 0.0005    | 1.002  | 1.002   | 1.002        | -1.230 | 3.471     |  |  |
|  | 0.6 | 0.0006    | 1.005  | 1.006   | 1.007        | -0.476 | 1.734     |  |  |
|  | 0.7 | 0.0032    | 1.057  | 1.094   | 1.090        | 0.278  | 0.889     |  |  |
|  | 0.8 | 0.0143    | 1.656  | 1.894   | 1.887        | 0.127  | 0.972     |  |  |
| L  | 0.9 | 0.1169    | 6.674  | 7.649   | 7.739        | -0.342 | 1.092     |  |  |
|  | 0.1 | 0.0492    | 4.072  | 4.913   | 4.902        | 0.110  | 0.987     |  |  |
|  | 0.2 | 0.0070    | 1.194  | 1.288   | 1.307        | -0.354 | 1.203     |  |  |
|  | 0.3 | 0.0009    | 1.005  | 1.008   | 1.008        | 0.003  | 0.867     |  |  |
|  | 0.4 | 0.0002    | 1.000  | 1.000   | 1.000        | 2.485  | 0.124     |  |  |
| 10   | 0.5 | 0.0001    | 1.000  | 1.000   | 1.000        | -0.000 | 1.000     |  |  |

|   | Score Report For PDL on Algorithm Verification |           |   |       |       |        |       |  |  |  |  |  |
|---|--|-----------|---|-------|-------|--------|-------|--|--|--|--|--|
| N | P  | Pooled SD | Pooled SD   Ideal   Gilbert   Verification   Score   Norm Dif |       |       |        |       |  |  |  |  |  |
|   | 0.6  | 0.0001    | 1.000   | 1.000 | 1.000 | 0.088  | 1.002 |  |  |  |  |  |
|   | 0.7  | 0.0009    | 1.005   | 1.009 | 1.009 | -0.060 | 1.085 |  |  |  |  |  |
|   | 0.8  | 0.0044    | 1.194   | 1.305 | 1.299 | -0.104 | 0.949 |  |  |  |  |  |
|   | 0.9  | 0.0734    | 4.140   | 4.810 | 4.862 | -0.129 | 1.077 |  |  |  |  |  |

|      | Score Report For PDL on Algorithm Verification |       |       |        |        |       |       |       |       |        |  |  |  |
|------|--|-------|-------|--------|--------|-------|-------|-------|-------|--------|--|--|--|
|      | P  |       |       |        |        |       |       |       |       |        |  |  |  |
| N    | .1   | .2    | .3    | .4     | .5     | .6    | .7    | .8    | .9    | Mean   |  |  |  |
| 4    | 0.60   | 0.83  | 10.00 | -10.00 | -10.00 | 10.00 | 1.96  | -0.80 | -0.05 | 0.282  |  |  |  |
| 5    | 0.18   | -0.03 | 0.33  | 2.21   | 1.03   | 2.27  | 0.06  | -0.32 | -1.10 | 0.515  |  |  |  |
| 6    | -0.17  | -0.14 | 0.10  | 0.10   | 0.18   | -0.25 | 0.05  | 0.15  | 0.16  | 0.019  |  |  |  |
| 7    | 0.10   | -0.05 | 0.08  | 0.00   | 0.24   | 0.16  | -0.07 | -0.09 | 0.02  | 0.046  |  |  |  |
| 8    | 0.00   | 0.12  | 0.05  | -0.08  | -0.16  | 0.15  | 0.01  | 0.28  | -0.10 | 0.031  |  |  |  |
| 9    | 0.02   | 0.17  | 0.12  | -0.30  | -1.23  | -0.48 | 0.28  | 0.13  | -0.34 | -0.181 |  |  |  |
| 10   | 0.11   | -0.35 | 0.00  | 2.48   | -0.00  | 0.09  | -0.06 | -0.10 | -0.13 | 0.226  |  |  |  |
| Mean | 0.12   | 0.08  | 1.53  | -0.80  | -1.42  | 1.71  | 0.32  | -0.11 | -0.22 | 0.13   |  |  |  |

## Chapter 2

## Overall Report For Verification

|      | Verificati | on Score | Report | : N x P, | Average | ed Acros | s Metric | S     |  |  |  |  |  |  |
|------|------------|----------|--------|----------|---------|----------|----------|-------|--|--|--|--|--|--|
|      | N          |          |        |          |         |          |          |       |  |  |  |  |  |  |
| P    | 4          | 5        | 6      | 7        | 8       | 9        | 10       | Mean  |  |  |  |  |  |  |
| 0.1  | 0.03       | 0.08     | -0.45  | -0.18    | -0.01   | 0.01     | 0.04     | -0.07 |  |  |  |  |  |  |
| 0.2  | -0.37      | 0.10     | 0.03   | 0.08     | -0.08   | 0.06     | -0.03    | -0.03 |  |  |  |  |  |  |
| 0.3  | 0.47       | -0.13    | 0.30   | 0.08     | 0.50    | -0.15    | 0.20     | 0.18  |  |  |  |  |  |  |
| 0.4  | -0.97      | -0.06    | -0.05  | -0.06    | -0.05   | 0.08     | 0.07     | -0.15 |  |  |  |  |  |  |
| 0.5  | -0.25      | 0.07     | 0.23   | -0.06    | 0.29    | -0.28    | 0.24     | 0.03  |  |  |  |  |  |  |
| 0.6  | 0.52       | 0.26     | 0.03   | -0.15    | 0.11    | -0.17    | 0.30     | 0.13  |  |  |  |  |  |  |
| 0.7  | -0.48      | -0.17    | 0.09   | -0.05    | 0.03    | 0.01     | 0.22     | -0.05 |  |  |  |  |  |  |
| 0.8  | -0.11      | 0.06     | -0.14  | 0.19     | -0.09   | -0.09    | -0.54    | -0.10 |  |  |  |  |  |  |
| 0.9  | 0.27       | -0.53    | 0.39   | -0.13    | 0.02    | -0.09    | -0.22    | -0.04 |  |  |  |  |  |  |
| Mean | -0.10      | -0.04    | 0.05   | -0.03    | 0.08    | -0.07    | 0.03     | -0.01 |  |  |  |  |  |  |

|        | Verification Score Report: P x Metric, Averaged Across N |       |       |       |       |       |       |       |       |       |  |  |
|--------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
| P      |  |       |       |       |       |       |       |       |       |       |  |  |
| Metric | .1   | .2    | .3    | .4    | .5    | .6    | .7    | .8    | .9    | Mean  |  |  |
| ADSM   | 0.89   | 0.46  | 1.21  | -0.81 | 0.90  | 0.37  | 0.40  | -0.16 | 0.46  | 0.41  |  |  |
| DSMV   | 0.86   | -0.42 | 0.64  | 0.41  | -0.12 | -0.17 | 0.04  | -1.05 | -0.07 | 0.01  |  |  |
| ADSMD  | 0.13   | 0.28  | -0.10 | 0.74  | 0.20  | -0.12 | -0.09 | 0.12  | -0.12 | 0.12  |  |  |
| DSMDV  | 0.35   | -0.20 | 0.02  | -0.23 | 0.01  | 0.03  | 0.03  | 0.11  | 0.31  | 0.05  |  |  |
| ADSMN  | 0.03   | -0.06 | 0.25  | 0.15  | 0.19  | -0.09 | 0.12  | -0.14 | -0.12 | 0.04  |  |  |
| DSMNV  | 0.05   | -0.07 | -0.11 | -0.26 | -0.02 | 0.12  | -0.01 | -0.00 | 0.11  | -0.02 |  |  |
| ADSMX  | -0.23  | 0.03  | 0.14  | -0.25 | 0.08  | -0.29 | 0.16  | 0.15  | -0.11 | -0.04 |  |  |
| DSMXV  | -0.34  | 0.00  | -0.04 | -0.22 | -0.25 | 0.23  | -0.39 | 0.09  | -0.08 | -0.11 |  |  |
| ADSV   | -0.33  | 0.11  | 0.03  | -0.07 | 0.09  | -0.02 | 0.02  | 0.01  | -0.22 | -0.04 |  |  |
| DSVV   | 0.04   | -0.07 | 0.04  | 0.03  | 0.00  | 0.10  | 0.08  | 0.04  | -0.07 | 0.02  |  |  |

|        | Vei   | rification | Score F | Report: I | 2 x Meti | ric, Aver | aged Ac | ross N |       |       |
|--------|-------|------------|---------|-----------|----------|-----------|---------|--------|-------|-------|
|        |       |            |         |           | P        |           |         |        |       |       |
| Metric | .1    | .2         | .3      | .4        | .5       | .6        | .7      | .8     | .9    | Mean  |
| ADSR   | -0.12 | -0.09      | 0.09    | -0.00     | 0.07     | -0.01     | 0.05    | -0.11  | -0.09 | -0.02 |
| PQRA   | -0.18 | -0.14      | -0.07   | 0.05      | -0.15    | -0.17     | 0.03    | -0.04  | -0.08 | -0.08 |
| PQRB   | 0.05  | -0.70      | 0.41    | 0.22      | 0.35     | 0.24      | 0.34    | 0.23   | 0.12  | 0.14  |
| PQRC   | 0.08  | -0.75      | -0.21   | 0.25      | 0.41     | 0.19      | 0.09    | 0.18   | 0.12  | 0.04  |
| ODSPL  | 0.89  | 0.46       | 1.21    | -0.81     | 0.90     | 0.37      | 0.40    | -0.16  | 0.46  | 0.41  |
| ANA    | -0.16 | -0.85      | -0.18   | -0.08     | -0.01    | -0.02     | 0.07    | -0.25  | 0.07  | -0.16 |
| NCP    | 0.00  | 0.00       | 0.00    | 0.00      | 0.00     | 0.00      | 0.00    | 0.00   | 0.00  | 0.00  |
| NR     | 0.00  | 0.42       | 0.03    | -0.01     | 0.04     | 0.06      | 0.06    | -0.08  | -0.12 | 0.05  |
| NE     | 0.89  | 0.46       | 1.21    | -0.81     | 0.90     | 0.37      | 0.40    | -0.16  | 0.46  | 0.41  |
| PCONN  | 0.48  | 0.28       | -0.12   | 0.03      | 0.04     | 0.10      | 0.03    | -0.05  | 0.15  | 0.10  |
| ANCC   | -0.20 | -0.08      | -0.03   | 0.03      | 0.02     | 0.09      | 0.04    | -0.06  | 0.16  | -0.00 |
| NCCV   | 0.19  | 0.28       | -0.05   | -0.00     | -0.25    | 0.05      | 0.08    | -0.11  | 0.19  | 0.04  |
| ADIAM  | 0.02  | -0.03      | 0.04    | -0.18     | -0.01    | -1.00     | 0.09    | 0.24   | 0.30  | -0.06 |
| DIAMV  | -0.11 | -0.18      | -0.10   | -0.33     | -0.42    | -0.46     | 0.08    | -0.18  | -0.07 | -0.19 |
| PTRIL  | 0.03  | -0.03      | 0.19    | -0.56     | -0.08    | -0.20     | -0.02   | -0.04  | 0.06  | -0.07 |
| ANTRI  | 0.04  | -0.04      | 0.13    | -0.26     | 0.07     | -0.17     | -0.03   | -0.15  | -0.16 | -0.06 |
| ANQUAD | -0.44 | -0.06      | 0.12    | -0.07     | -0.02    | -0.02     | -0.11   | -0.21  | 0.10  | -0.08 |
| ALNA   | -0.16 | 0.00       | -0.03   | -0.05     | -0.00    | 0.02      | -0.03   | -0.05  | -0.07 | -0.04 |
| MLNA   | -5.71 | -1.54      | -2.90   | -0.18     | -0.00    | 1.48      | -2.89   | -2.87  | -2.88 | -1.94 |
| VLNA   | -0.01 | 0.45       | -0.24   | 0.15      | -0.03    | -0.13     | 0.02    | -0.01  | -0.06 | 0.01  |
| NUG    | 0.12  | 0.34       | 1.76    | -1.09     | 1.16     | -1.33     | -1.57   | -0.20  | -0.37 | -0.13 |
| ANR    | 0.11  | 0.05       | 1.53    | -0.78     | -1.43    | 1.71      | 0.33    | 1.42   | -0.20 | 0.30  |
| MNR    | -0.15 | 0.56       | -0.17   | 0.34      | 0.07     | 1.46      | 0.08    | -0.06  | 0.54  | 0.30  |
| SQNR   | 0.36  | -0.00      | 0.08    | 0.28      | -0.14    | -0.01     | 0.04    | 0.05   | 0.09  | 0.08  |
| PDL    | 0.12  | 0.08       | 1.53    | -0.80     | -1.42    | 1.71      | 0.32    | -0.11  | -0.22 | 0.13  |
| Mean   | -0.07 | -0.03      | 0.18    | -0.15     | 0.03     | 0.13      | -0.05   | -0.10  | -0.04 | -0.01 |

| Ve     | Verification Score Report: N x Metric, Averaged Across P |       |       |       |       |       |       |       |  |  |  |  |
|--------|--|-------|-------|-------|-------|-------|-------|-------|--|--|--|--|
| N      |  |       |       |       |       |       |       |       |  |  |  |  |
| Metric | 4  | 5     | 6     | 7     | 8     | 9     | 10    | Mean  |  |  |  |  |
| ADSM   | -0.16  | 0.17  | 0.45  | -0.05 | 1.19  | 0.41  | 0.90  | 0.41  |  |  |  |  |
| DSMV   | -0.52  | 0.50  | 0.55  | 0.13  | -0.54 | 0.22  | -0.26 | 0.01  |  |  |  |  |
| ADSMD  | 0.33   | 0.06  | 0.48  | 0.10  | 0.01  | 0.01  | -0.17 | 0.12  |  |  |  |  |
| DSMDV  | 0.38   | 0.00  | -0.08 | 0.06  | -0.01 | -0.22 | 0.20  | 0.05  |  |  |  |  |
| ADSMN  | 0.01   | 0.20  | -0.13 | 0.03  | -0.02 | 0.11  | 0.05  | 0.04  |  |  |  |  |
| DSMNV  | -0.03  | 0.15  | 0.10  | 0.10  | -0.18 | -0.04 | -0.24 | -0.02 |  |  |  |  |
| ADSMX  | -0.12  | -0.40 | 0.22  | 0.26  | -0.04 | 0.01  | -0.18 | -0.04 |  |  |  |  |
| DSMXV  | -0.12  | -0.23 | -0.13 | -0.06 | -0.14 | 0.20  | -0.29 | -0.11 |  |  |  |  |
| ADSV   | -0.04  | -0.30 | -0.03 | 0.07  | -0.01 | 0.00  | 0.00  | -0.04 |  |  |  |  |
| DSVV   | -0.08  | 0.07  | 0.02  | 0.03  | 0.05  | 0.04  | -0.00 | 0.02  |  |  |  |  |

| Ve     | rification | Score F | Report: I | N x Met | ric, Aver | aged Ac | ross P |       |
|--------|------------|---------|-----------|---------|-----------|---------|--------|-------|
|        |            |         |           | N       |           |         |        |       |
| Metric | 4          | 5       | 6         | 7       | 8         | 9       | 10     | Mean  |
| ADSR   | -0.04      | -0.15   | -0.02     | 0.13    | -0.06     | 0.01    | -0.03  | -0.02 |
| PQRA   | -0.03      | -0.09   | -0.06     | 0.03    | -0.05     | 0.06    | -0.44  | -0.08 |
| PQRB   | 0.00       | 0.10    | -0.06     | 0.18    | 0.14      | 0.16    | 0.46   | 0.14  |
| PQRC   | 0.00       | 0.10    | -0.06     | 0.18    | 0.14      | -0.02   | -0.06  | 0.04  |
| ODSPL  | -0.16      | 0.17    | 0.45      | -0.05   | 1.19      | 0.41    | 0.90   | 0.41  |
| ANA    | -0.22      | 0.06    | -0.15     | 0.30    | -0.13     | -0.33   | -0.63  | -0.16 |
| NCP    | 0.00       | 0.00    | 0.00      | 0.00    | 0.00      | 0.00    | 0.00   | 0.00  |
| NR     | -0.04      | 0.50    | 0.02      | 0.12    | -0.04     | -0.24   | 0.00   | 0.05  |
| NE     | -0.16      | 0.17    | 0.45      | -0.05   | 1.19      | 0.41    | 0.90   | 0.41  |
| PCONN  | 0.02       | 0.05    | 0.22      | 0.40    | -0.08     | -0.04   | 0.17   | 0.10  |
| ANCC   | 0.15       | -0.31   | 0.03      | 0.08    | -0.09     | -0.03   | 0.13   | -0.00 |
| NCCV   | 0.07       | -0.07   | 0.13      | 0.14    | -0.03     | -0.04   | 0.09   | 0.04  |
| ADIAM  | 0.14       | 0.07    | 0.49      | -0.68   | 0.12      | -0.39   | -0.16  | -0.06 |
| DIAMV  | -0.04      | 0.02    | 0.05      | -0.21   | -0.12     | -0.02   | -1.05  | -0.19 |
| PTRIL  | -0.23      | -0.06   | 0.05      | -0.12   | 0.02      | -0.06   | -0.10  | -0.07 |
| ANTRI  | -0.05      | 0.08    | -0.02     | -0.18   | -0.01     | -0.19   | -0.07  | -0.06 |
| ANQUAD | 0.04       | -0.06   | -0.15     | -0.14   | -0.01     | -0.18   | -0.04  | -0.08 |
| ALNA   | -0.07      | -0.02   | -0.05     | -0.04   | -0.08     | -0.02   | -0.00  | -0.04 |
| MLNA   | -3.45      | -2.32   | -2.21     | -2.30   | 0.01      | -2.22   | -1.11  | -1.94 |
| VLNA   | -0.01      | -0.17   | 0.08      | 0.30    | -0.08     | -0.06   | 0.04   | 0.01  |
| NUG    | -0.96      | -0.84   | 1.11      | -0.31   | 0.06      | -0.21   | 0.22   | -0.13 |
| ANR    | 1.45       | 0.56    | 0.01      | 0.03    | 0.03      | -0.18   | 0.23   | 0.30  |
| MNR    | -0.09      | 0.22    | -0.15     | 0.28    | 0.23      | 0.34    | 1.25   | 0.30  |
| SQNR   | 0.28       | -0.00   | 0.08      | 0.06    | 0.03      | -0.12   | 0.23   | 0.08  |
| PDL    | 0.28       | 0.52    | 0.02      | 0.05    | 0.03      | -0.18   | 0.23   | 0.13  |
| Mean   | -0.10      | -0.04   | 0.05      | -0.03   | 0.08      | -0.07   | 0.03   | -0.01 |