

Sample Sizes used

360 10 60 110 160 210 260 310 ↗

860 510 560 610 660 710 760 810 ↗

| | | | | | | | |
|------|------|------|------|------|------|------|--------|
| | 1010 | 1060 | 1110 | 1160 | 1210 | 1260 | 1310 ↗ |
| 1360 | 1410 | 1460 | | | | | |

[illegible]

| | | | | | |
|---------|--------|---------|--------|--------|--------|
| -0.1034 | 0.1531 | -0.1288 | 0.0446 | 0.2638 | 0.2311 |
| 0.9994 | 0.9885 | 0.9744 | 0.9921 | 0.9959 | 0.9963 |
| 0.9997 | 0.9978 | 0.9936 | 0.9983 | 0.9993 | 0.9993 |

[illegible]

Average

0.0767
0.9911
0.9980
0.9984
0.9986
0.9987
0.9987
0.9994
0.9995
0.9996
0.9997
0.9998
0.9998
0.9998
0.9998
0.9999
0.9999
0.9999
0.9999
0.9999
1.0000
1.0000
1.0000
1.0000
1.0000
1.0000

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1.0000
1.0000
1.0000
1.0000
```

Min Erros

[illegible]

Max Erros

| | | | | | |
|--------|---------|--------|----------|----------|--------|
| 3.7017 | 11.0721 | 0.0237 | 109.0353 | 283.6486 | 2.9300 |
| 0.0606 | 0.1258 | 0.0020 | 1.2624 | 1.7116 | 0.0029 |
| 0.0429 | 0.0648 | 0.0013 | 0.7735 | 0.6783 | 0.0013 |
| 0.0399 | 0.0609 | 0.0011 | 0.6822 | 0.6001 | 0.0013 |
| 0.0144 | 0.0631 | 0.0012 | 0.7116 | 0.6356 | 0.0013 |
| 0.0068 | 0.0615 | 0.0011 | 0.7109 | 0.6060 | 0.0012 |
| 0.0084 | 0.0557 | 0.0011 | 0.7140 | 0.6333 | 0.0013 |
| 0.0077 | 0.0613 | 0.0005 | 0.7355 | 0.4032 | 0.0010 |
| 0.0076 | 0.0578 | 0.0004 | 0.7214 | 0.3032 | 0.0007 |
| 0.0086 | 0.0600 | 0.0003 | 0.3887 | 0.3056 | 0.0007 |
| 0.0090 | 0.0263 | 0.0003 | 0.3658 | 0.2881 | 0.0006 |
| 0.0072 | 0.0267 | 0.0003 | 0.3959 | 0.3042 | 0.0007 |
| 0.0081 | 0.0271 | 0.0003 | 0.3972 | 0.3214 | 0.0007 |
| 0.0077 | 0.0301 | 0.0004 | 0.4296 | 0.3295 | 0.0008 |
| 0.0077 | 0.0314 | 0.0004 | 0.4384 | 0.3436 | 0.0008 |

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|--------|--------|--------|--------|--------|--------|
| 0.0020 | 0.0197 | 0.0005 | 0.1927 | 0.1548 | 0.0003 |
| 0.0020 | 0.0189 | 0.0005 | 0.1746 | 0.1544 | 0.0003 |
| 0.0017 | 0.0161 | 0.0004 | 0.1550 | 0.1381 | 0.0003 |
| 0.0014 | 0.0156 | 0.0004 | 0.1352 | 0.1201 | 0.0002 |
| 0.0015 | 0.0147 | 0.0004 | 0.1357 | 0.1032 | 0.0002 |
| 0.0015 | 0.0119 | 0.0002 | 0.1300 | 0.1015 | 0.0002 |
| 0.0015 | 0.0119 | 0.0002 | 0.1169 | 0.0995 | 0.0002 |
| 0.0012 | 0.0114 | 0.0002 | 0.1111 | 0.0969 | 0.0002 |
| 0.0013 | 0.0114 | 0.0002 | 0.1327 | 0.0971 | 0.0002 |
| 0.0014 | 0.0106 | 0.0002 | 0.1229 | 0.0912 | 0.0002 |
| 0.0013 | 0.0112 | 0.0002 | 0.1214 | 0.0984 | 0.0002 |
| 0.0012 | 0.0115 | 0.0002 | 0.1276 | 0.1002 | 0.0002 |
| 0.0013 | 0.0114 | 0.0002 | 0.1281 | 0.1005 | 0.0002 |
| 0.0012 | 0.0114 | 0.0002 | 0.1253 | 0.1019 | 0.0002 |
| 0.0013 | 0.0117 | 0.0002 | 0.1287 | 0.1048 | 0.0002 |

| Mean | Erros | | | | |
|------|-------|--|--|--|--|
|------|-------|--|--|--|--|

| | | | | | |
|--------|--------|--------|---------|---------|--------|
| 1.0798 | 3.1756 | 0.0073 | 31.9129 | 78.8430 | 0.8369 |
| 0.0108 | 0.0232 | 0.0004 | 0.2637 | 0.2565 | 0.0005 |
| 0.0076 | 0.0095 | 0.0002 | 0.1120 | 0.1039 | 0.0002 |
| 0.0072 | 0.0085 | 0.0002 | 0.0997 | 0.0937 | 0.0002 |
| 0.0013 | 0.0080 | 0.0001 | 0.0921 | 0.0917 | 0.0002 |
| 0.0009 | 0.0077 | 0.0001 | 0.0873 | 0.0913 | 0.0002 |
| 0.0008 | 0.0078 | 0.0001 | 0.0890 | 0.0905 | 0.0002 |
| 0.0008 | 0.0076 | 0.0001 | 0.0858 | 0.0484 | 0.0001 |
| 0.0007 | 0.0075 | 0.0001 | 0.0850 | 0.0429 | 0.0001 |
| 0.0007 | 0.0074 | 0.0001 | 0.0512 | 0.0410 | 0.0001 |
| 0.0006 | 0.0047 | 0.0001 | 0.0481 | 0.0383 | 0.0001 |
| 0.0006 | 0.0044 | 0.0000 | 0.0458 | 0.0368 | 0.0001 |
| 0.0006 | 0.0044 | 0.0000 | 0.0449 | 0.0360 | 0.0001 |
| 0.0006 | 0.0044 | 0.0000 | 0.0446 | 0.0361 | 0.0001 |
| 0.0006 | 0.0042 | 0.0000 | 0.0432 | 0.0353 | 0.0001 |
| 0.0002 | 0.0016 | 0.0000 | 0.0165 | 0.0128 | 0.0000 |
| 0.0002 | 0.0015 | 0.0000 | 0.0154 | 0.0116 | 0.0000 |
| 0.0002 | 0.0014 | 0.0000 | 0.0150 | 0.0112 | 0.0000 |
| 0.0002 | 0.0014 | 0.0000 | 0.0147 | 0.0112 | 0.0000 |
| 0.0002 | 0.0014 | 0.0000 | 0.0142 | 0.0110 | 0.0000 |
| 0.0001 | 0.0013 | 0.0000 | 0.0134 | 0.0107 | 0.0000 |
| 0.0001 | 0.0013 | 0.0000 | 0.0132 | 0.0107 | 0.0000 |
| 0.0001 | 0.0012 | 0.0000 | 0.0129 | 0.0102 | 0.0000 |
| 0.0001 | 0.0012 | 0.0000 | 0.0125 | 0.0098 | 0.0000 |
| 0.0001 | 0.0011 | 0.0000 | 0.0120 | 0.0095 | 0.0000 |
| 0.0001 | 0.0011 | 0.0000 | 0.0120 | 0.0093 | 0.0000 |
| 0.0001 | 0.0011 | 0.0000 | 0.0116 | 0.0089 | 0.0000 |
| 0.0001 | 0.0011 | 0.0000 | 0.0114 | 0.0089 | 0.0000 |
| 0.0001 | 0.0011 | 0.0000 | 0.0112 | 0.0086 | 0.0000 |
| 0.0001 | 0.0010 | 0.0000 | 0.0111 | 0.0085 | 0.0000 |

For qoi 1, best emulator was n 30
Generated using 1460 samples, and basis of 4 degree
Coef 1.000000 Mean Err 0.000124

For qoi 2, best emulator was n 30
Generated using 1460 samples, and basis of 4 degree
Coef 0.999971 Mean Err 0.001025

For qoi 3, best emulator was n 30
Generated using 1460 samples, and basis of 4 degree
Coef 0.999912 Mean Err 0.000019

For qoi 4, best emulator was n 30
Generated using 1460 samples, and basis of 4 degree
Coef 0.999981 Mean Err 0.011067

For qoi 5, best emulator was n 30
Generated using 1460 samples, and basis of 4 degree
Coef 0.999995 Mean Err 0.008495

For qoi 6, best emulator was n 30
Generated using 1460 samples, and basis of 4 degree
Coef 0.999995 Mean Err 0.000016

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