|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | **Which Sort and Why?** |
| **Alpha** |  | Random | In Order | Reverse | **Alpha is . . .** |
|  | n | ms | ms | ms |  |
|  | 1000 | 0 | 0 | 0 |  |
|  | 2000 | 0 | 0 | 0 |  |
|  | 4000 | 0 | 0 | 0 |  |
|  | 8000 | 0 | 2 | 2 |  |
|  | 16000 | 1 | 2 | 10 |  |
|  | 32000 | 8 | 7 | 11 |  |
| **Beta** |  | Random | In Order | Reverse | **Beta is . . .** |
|  | n | ms | ms | ms |  |
|  | 1000 | 0 | 0 | 0 |  |
|  | 2000 | 1 | 0 | 5 |  |
|  | 4000 | 9 | 0 | 14 |  |
|  | 8000 | 85 | 0 | 31 |  |
|  | 16000 | 172 | 1 | 138 |  |
|  | 32000 | 257 | 2 | 730 |  |
| **Gamma** |  | Random | In Order | Reverse | **Gamma is . . .** |
|  | n | ms | ms | ms |  |
|  | 1000 | 0 | 0 | 0 |  |
|  | 2000 | 0 | 4 | 9 |  |
|  | 4000 | 0 | 16 | 16 |  |
|  | 8000 | 0 | 56 | 54 |  |
|  | 16000 | 4 | 104 | 115 |  |
|  | 32000 | 6 | 450 | 455 |  |
| **Delta** |  | Random | In Order | Reverse | **Delta is . . .** |
|  | n | ms | ms | ms |  |
|  | 1000 | 0 | 0 | 0 |  |
|  | 2000 | 0 | 5 | 8 |  |
|  | 4000 | 16 | 12 | 16 |  |
|  | 8000 | 48 | 33 | 33 |  |
|  | 16000 | 117 | 143 | 128 |  |
|  | 32000 | 441 | 753 | 482 |  |
| **Epsilon** |  | Random | In Order | Reverse | **Epsilon is . . .** |
|  | n | ms | ms | ms |  |
|  | 1000 | 0 | 0 | 3 |  |
|  | 2000 | 12 | 6 | 7 |  |
|  | 4000 | 32 | 15 | 17 |  |
|  | 8000 | 105 | 39 | 71 |  |
|  | 16000 | 562 | 157 | 234 |  |
|  | 32000 | 2338 | 557 | 1659 |  |
| **Zeta** |  | Random | In Order | Reverse | **Zeta is . . .** |
|  | n | ms | ms | ms |  |
|  | 1000 | 1 | 0 | 0 |  |
|  | 2000 | 1 | 0 | 0 |  |
|  | 4000 | 3 | 0 | 0 |  |
|  | 8000 | 4 | 0 | 0 |  |
|  | 16000 | 6 | 1 | 2 |  |
|  | 32000 | 7 | 6 | 8 |  |