Time taken to transmit file

Basic considerations:

* File size was 799kB
* The Corruption chance is 2 way (server and client packages have equal chances of being corrupted)
* All measurements were taken within an hour to limit the possibility of different programs running in the background between different tests
* All measurements taken on the same pc (Daniel Maccaline’s Desktop)
* All Times taken as an average over 10 runs
* All print commands that occur between the timer being started and stopped were disabled
  + The only print commands were the print statement indicating the program was starting and the time display at the end

Numeric Results:

|  |  |
| --- | --- |
| corruption chance | Average time |
| 0% | 0.342745 |
| 5% | 0.3657436 |
| 10% | 0.4110683 |
| 15% | 0.4536403 |
| 20% | 0.4907718 |
| 25% | 0.5530255 |
| 30% | 0.5977163 |
| 35% | 0.6173938 |
| 40% | 0.68396 |
| 45% | 0.7378958 |
| 50% | 0.7580486 |
| 55% | 0.9467034 |
| 60% | 1.11495 |

Graphical Representation