**Table 1.** The percentiles of the distance

|  |  |  |  |
| --- | --- | --- | --- |
| ***q***  | **The *q*th percentile**  | ***q*** | **The *q*th percentile**  |
| 5 | 0.7321 | 55 | 0.9799 |
| 10 | 0.7781 | 60 | 1.0022 |
| 15 | 0.8093 | 65 | 1.0262 |
| 20 | 0.8358 | 70 | 1.0528 |
| 25 | 0.8583 | 75 | 1.0833 |
| 30 | 0.8792 | 80 | 1.1196 |
| 35 | 0.8993 | 85 | 1.1656 |
| 40 | 0.9190 | 90 | 1.2311 |
| 45 | 0.9388 | 95 | 1.3470 |
| 50 | 0.9589 | 100 | 27.0327 |