|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *A*  *（o）* | *Ae*  *（o）* | *W*  *（o）* | *ER*  *（%）* | *ID fitts*  *(bits)* | *ID Shannon*  *(bits)* | *We*  *（o）* | *MT*  *(ms)* | *TP Shannon*  *(bits/s)* |
| 1.8 | 2.8 | 1.6 | 77.08 | 1.46 | 1.26 | 2.0 | 351 | 3.60 |
| 2.2 | 3.0 | 2.0 | 68.75 | 1.31 | 1.17 | 2.4 | 300 | 3.90 |
| 2.2 | 3.2 | 1.6 | 57.89 | 1.60 | 1.34 | 2.1 | 319 | 4.19 |
| 2.6 | 3.4 | 2.4 | 51.58 | 1.35 | 1.21 | 2.6 | 298 | 4.05 |
| 2.6 | 3.5 | 2.0 | 34.38 | 1.57 | 1.30 | 2.4 | 336 | 3.86 |
| 2.6 | 3.5 | 1.6 | 22.34 | 1.79 | 1.46 | 2.0 | 332 | 4.40 |
| 3.0 | 3.2 | 2.8 | 41.05 | 1.41 | 1.22 | 2.4 | 299 | 4.09 |
| 3.0 | 3.2 | 2.4 | 23.16 | 1.23 | 1.16 | 2.6 | 319 | 3.63 |
| 3.0 | 3.2 | 2.0 | 11.46 | 1.46 | 1.22 | 2.4 | 359 | 3.40 |
| 3.0 | 3.4 | 1.6 | 4.26 | 1.85 | 1.48 | 1.9 | 364 | 4.07 |
| 3.4 | 3.3 | 3.2 | 20.83 | 1.38 | 1.21 | 2.5 | 319 | 3.81 |
| 3.4 | 3.5 | 2.8 | 17.71 | 1.49 | 1.26 | 2.5 | 303 | 4.17 |
| 3.4 | 3.5 | 2.4 | 5.26 | 1.42 | 1.23 | 2.6 | 346 | 3.56 |
| 3.4 | 3.5 | 2.0 | 5.21 | 1.68 | 1.37 | 2.2 | 330 | 4.16 |
| 3.4 | 3.4 | 1.6 | 3.13 | 1.81 | 1.48 | 1.9 | 399 | 3.71 |
| 3.8 | 3.8 | 3.2 | 8.33 | 1.78 | 1.45 | 2.2 | 300 | 4.82 |
| 3.8 | 3.7 | 2.8 | 4.17 | 1.60 | 1.35 | 2.4 | 298 | 4.52 |
| 3.8 | 3.8 | 2.4 | 4.21 | 1.54 | 1.30 | 2.6 | 338 | 3.84 |
| 3.8 | 3.7 | 2.0 | 3.16 | 1.79 | 1.47 | 2.1 | 327 | 4.48 |
| 3.8 | 3.6 | 1.6 | 3.16 | 1.88 | 1.49 | 2.0 | 345 | 4.31 |
| 4.2 | 4.1 | 3.2 | 5.26 | 1.80 | 1.44 | 2.4 | 314 | 4.58 |
| 4.2 | 4.3 | 2.8 | 3.13 | 1.94 | 1.56 | 2.2 | 320 | 4.88 |
| 4.2 | 3.8 | 2.4 | 2.08 | 1.74 | 1.41 | 2.3 | 344 | 4.09 |
| 4.2 | 4.0 | 2.0 | 1.04 | 1.76 | 1.42 | 2.4 | 369 | 3.83 |
| 4.60 | 4.1 | 3.2 | 2.08 | 1.89 | 1.52 | 2.2 | 314 | 4.83 |
| 4.60 | 4.2 | 2.8 | 2.13 | 1.78 | 1.46 | 2.4 | 370 | 3.94 |
| 4.60 | 4.2 | 2.4 | 2.08 | 1.82 | 1.46 | 2.4 | 348 | 4.19 |
| 5.00 | 4.3 | 3.2 | 1.06 | 1.82 | 1.48 | 2.4 | 313 | 4.73 |
| 5.00 | 4.1 | 2.8 | 2.08 | 1.68 | 1.37 | 2.6 | 328 | 4.16 |
| 5.40 | 4.4 | 3.2 | 1.06 | 1.73 | 1.43 | 2.6 | 341 | 4.19 |
|  |  |  |  |  |  |  |  |  |
|  |  | *Mean* |  |  |  | 2.33 | 331 | 4.13 |
|  |  | *SD* |  |  |  | 0.23 | 25 | 0.39 |

**Table 1. Data from the consecutive clicking tasks with width and spacing changes.**

**Table 2. Data from the pointing-clicking tasks with width and spacing changes**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *A*  *（o）* | *Ae*  *（o）* | *W*  *（o）* | *ER*  *（%）* | *ID fitts*  *(bits)* | *ID Shannon*  *(bits)* | *We*  *（o）* | *MT*  *(ms)* | *TP Shannon*  *(bits/s)* |
| 1.8 | 20.0 | 1.6 | 77.08 | 3.64 | 3.75 | 1.6 | 933 | 4.02 |
| 2.2 | 20.0 | 2.0 | 68.75 | 3.32 | 3.60 | 1.8 | 813 | 4.43 |
| 2.2 | 20.0 | 1.6 | 58.95 | 3.64 | 3.93 | 1.4 | 801 | 4.91 |
| 2.6 | 20.0 | 2.4 | 51.58 | 3.06 | 3.67 | 1.7 | 756 | 4.86 |
| 2.6 | 20.0 | 2.0 | 35.42 | 3.32 | 3.75 | 1.6 | 753 | 4.99 |
| 2.6 | 20.0 | 1.6 | 22.34 | 3.64 | 3.75 | 1.6 | 739 | 5.08 |
| 3.0 | 20.0 | 2.8 | 42.11 | 2.84 | 3.84 | 1.5 | 765 | 5.02 |
| 3.0 | 20.0 | 2.4 | 23.16 | 3.06 | 3.53 | 1.9 | 732 | 4.82 |
| 3.0 | 20.0 | 2.0 | 11.46 | 3.32 | 3.60 | 1.8 | 685 | 5.25 |
| 3.0 | 20.0 | 1.6 | 4.26 | 3.64 | 3.84 | 1.5 | 727 | 5.28 |
| 3.4 | 20.0 | 3.2 | 20.83 | 2.64 | 3.60 | 1.8 | 732 | 4.92 |
| 3.4 | 20.0 | 2.8 | 18.75 | 2.84 | 3.60 | 1.8 | 689 | 5.22 |
| 3.4 | 20.0 | 2.4 | 5.26 | 3.06 | 3.60 | 1.8 | 719 | 5.00 |
| 3.4 | 20.0 | 2.0 | 5.21 | 3.32 | 3.67 | 1.7 | 941 | 3.90 |
| 3.4 | 20.1 | 1.6 | 3.13 | 3.64 | 3.60 | 1.8 | 916 | 3.94 |
| 3.8 | 20.0 | 3.2 | 9.38 | 2.64 | 3.67 | 1.7 | 672 | 5.47 |
| 3.8 | 20.0 | 2.8 | 6.25 | 2.84 | 3.53 | 1.9 | 680 | 5.19 |
| 3.8 | 20.0 | 2.4 | 3.16 | 3.06 | 3.67 | 1.7 | 666 | 5.52 |
| 3.8 | 20.0 | 2.0 | 3.16 | 3.32 | 3.60 | 1.8 | 705 | 5.10 |
| 3.8 | 20.0 | 1.6 | 3.16 | 3.64 | 3.67 | 1.7 | 714 | 5.15 |
| 4.2 | 20.0 | 3.2 | 6.32 | 2.64 | 3.75 | 1.6 | 696 | 5.39 |
| 4.2 | 20.0 | 2.8 | 3.13 | 2.84 | 3.53 | 1.9 | 651 | 5.42 |
| 4.2 | 20.0 | 2.4 | 2.08 | 3.06 | 3.60 | 1.8 | 668 | 5.39 |
| 4.2 | 20.0 | 2.0 | 1.04 | 3.32 | 3.53 | 1.9 | 680 | 5.19 |
| 4.6 | 20.0 | 3.2 | 2.08 | 2.64 | 3.60 | 1.8 | 654 | 5.50 |
| 4.6 | 20.0 | 2.8 | 2.13 | 2.84 | 3.60 | 1.8 | 651 | 5.53 |
| 4.6 | 20.0 | 2.4 | 2.08 | 3.06 | 3.60 | 1.8 | 668 | 5.39 |
| 5.0 | 20.0 | 3.2 | 1.06 | 2.64 | 3.46 | 2.0 | 637 | 5.43 |
| 5.0 | 20.0 | 2.8 | 2.08 | 2.84 | 3.53 | 1.9 | 711 | 4.96 |
| 5.4 | 20.0 | 3.2 | 1.06 | 2.64 | 3.46 | 2.0 | 627 | 5.52 |
|  |  |  |  |  |  |  |  |  |
|  |  | *Mean* |  |  |  | 1.75 | 726 | 5.06 |
|  |  | *SD* |  |  |  | 0.15 | 83 | 0.45 |