|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Robot** | | **Human** | |  |  |
| **Pattern** | **Average Normalized Translation (** | **Average Rotation (** | **Average Normalized Translation (** | **Average Rotation (** | **Translation Performance Score** | **Rotation Performance Score** |
| Pinch (P) |  | N/A | 0.355 (0.043) | N/A |  | N/A |
| Dynamic Tripod (DT) |  | N/A | 0.185 (0.020) | N/A |  | N/A |
| Squeeze (S) |  | N/A | 1.0 (0.0) | N/A |  | N/A |
| Twiddle (T) |  |  | 0.111 (0.036) | 255.8 (25.7) |  |  |
| Rock (R) | N/A |  | N/A | 111.2 (21.4) | N/A |  |
| Rock II (RII) | N/A |  | N/A | 45.0 (10.2) | N/A |  |
| Radial Roll (RR) |  |  | 0.329 (0.032) | 176.4 (33.6) |  |  |
| Index Roll (IR) |  |  | 0.179 (0.037) | 160.4 (17.0) |  |  |
| Full Roll (FR) | N/A |  | N/A | 56.0 (4.1) | N/A |  |
| Rotary Step (RS) | N/A |  | N/A | 360.0 (0.0) | N/A |  |
| Interdigital Step (IS) | N/A |  | N/A | 360.0 (0.0) | N/A |  |
| Linear Step (LS) |  | N/A | 0.348 (0.048) | N/A |  | N/A |
| Palmar Slide (PS) |  | N/A | 0.124 (0.022) | N/A |  | N/A |

\*Units for Average Rotation are Degrees