**Table 2. The six indicators (angles/displacements at touch-down, mid-stance, lift-off, maximum, minimum and range of motion) of the six toe joint angles and the vertical displacement of the metatarsophalangeal joint**

| Kinematic parameters | Touchdown | | Mid-stance | | Liftoff | | Maximum | | Minimum | | Range of motion | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Walking* | *Running* | *Walking* | *Running* | *Walking* | *Running* | *Walking* | *Running* | *Walking* | *Running* | *Walking* | *Running* |
| *α*(degrees) | 155±7 | 153±10 | 167±5 | 166±8 | 148±10 | 152±11 | 168±4 | 166±5 | 132±10 | 131±9 | 36±11 | 35±10 |
| *β*(degrees) | 160±6 | 156±9 | 137±8 | 144±17 | 168±9 | 161±14 | 168±5 | 163±8 | 117±7 | 119±9 | 51±9\* | 43±7\* |
| *γ*(degrees) | 169±5\* | 164±7\* | 144±6\* | 133±5\* | 207±9 | 210±9 | 207±9 | 211±9 | 143±6\* | 131±5\* | 63±13\* | 80±8\* |
| *θ*(degrees) | 141±7\* | 127±7\* | 117±8\* | 105±9\* | 164±5\* | 170±4\* | 171±4 | 170±4 | 114±6\* | 100±8\* | 56±7\* | 72±7\* |
| *φ*(degrees) | 167±7 | 160±10 | 159±10 | 164±9 | 167±6\* | 156±10\* | 170±3 | 169±2 | 156±13 | 155±8 | 13±12 | 13±7 |
| *ψ*(degrees) | 15±6 | 14±7 | 27±8 | 23±9 | 16±8 | 22±15 | 40±8 | 39±9 | 14±5 | 13±6 | 25±9 | 25±10 |
| *z* (cm) | 14.9±1.0\* | 18.2±1.5\* | 15.4±1.3\* | 13.8±1.6\* | 31.3±1.9 | 31.3±1.4 | 31.3±1.8 | 31.3±1.4 | 11.9±1.2 | 12.0±1.5 | 19.4±1.8 | 19.3±1.8 |

Values are means±S.D. Statistically significant speed effects are indicated by an asterisk (P < 0.05).