

LeapMotion Gesture Recognition

Pointer Finger Statistics:

Rotation angle: 0.000 radians
Scale factor: 1.00

Hand data:

Hand ID: 9
Type: right hand
Direction: (0.20, 0.33, -0.92)
Palm position: (24.5, 82.1, 1.4) mm
Grab strength: 0
Pinch strength: 0.0109359
Confidence: 0.193
Arm direction: (0.4, 0.4, -0.8)
Arm center: (-39.6, 25.6, 143.9)
Arm up vector: (-0.8, 0.5, -0.2)
Translation: (-0.0, -0.0, -0.0) mm
Rotation axis: (0.0, -0.0, -1.0)
Rotation angle: 0.00 radians
Scale factor: 1.00
Fingers IDs: 90, 91, 92, 93, 94

Finger and tool data:

Pointable ID: 90	Pointable ID: 91	Pointable ID: 92	Pointable ID: 93
Type: Thumb	Type: Index finger	Type: Middle finger	Type: Ring finger
Belongs to hand with ID: 9	Belongs to hand with ID: 9	Belongs to hand with ID: 9	Belongs to hand with ID: 9
Classified as a finger	Classified as a finger	Classified as a finger	Classified as a finger
Length: 46.3 mm	Length: 52.2 mm	Length: 59.5 mm	Length: 57.2 mm
Width: 18.0 mm	Width: 17.2 mm	Width: 16.9 mm	Width: 16.1 mm
Direction: (0.06, -0.10, -0.99)	Direction: (0.63, -0.24, -0.74)	Direction: (0.59, -0.24, -0.77)	Direction: (0.80, -0.36, -0.48)
Extended?: true	Extended?: true	Extended?: true	Extended?: false
Metacarpal bone	Metacarpal bone	Metacarpal bone	Metacarpal bone
Center: (12.7, 47.4, 41.8)	Center: (10.2, 67.5, 3.6)	Center: (14.5, 81.4, 8.0)	Center: (20.0, 93.3, 16.0)
Direction: (0.0, 0.1, -1.0)	Direction: (0.3, 0.1, -1.0)	Direction: (0.3, 0.2, -0.9)	Direction: (0.4, 0.4, -0.9)

Pinky Finger Statistics:

Hand data:

Hand ID: 28
Type: left hand
Direction: (-0.45, 0.06, -0.89)
Palm position: (-33.1, 158.6, 52.8) mm
Grab strength: 1
Pinch strength: 0.515537
Confidence: 0.544126
Arm direction: (0.3, 0.6, -0.8)
Arm center: (-51.1, 82.8, 188.8)
Arm up vector: (-0.9, 0.3, -0.1)
Translation: (-0.1, 0.1, -0.1) mm
Rotation axis: (0.1, -0.2, -1.0)

Finger and tool data:

Pointable ID: 290
Type: Thumb
Belongs to hand with ID: 29
Classified as a finger
Length: 45.8 mm
Width: 17.8 mm
Direction: (0.68, -0.25, -0.69)
Extended?: false
Metacarpal bone
Center: (-44.1, 149.3, 124.2)
Direction: (-0.2, 0.2, -1.0)
Up vector: (-1.0, 0.1, 0.2)
Proximal phalanx bone
Center: (-35.2, 142.7, 105.3)
Direction: (0.4, -0.3, -0.9)
Up vector: (-0.9, -0.1, -0.4)
Intermediate phalanx bone
Center: (-16.2, 132.3, 76.0)
Direction: (0.7, -0.3, -0.7)
Up vector: (-0.7, -0.2, -0.7)
Distal phalanx bone
Center: (3.6, 127.0, 62.4)
Direction: (0.9, -0.1, -0.3)
Up vector: (-0.3, -0.3, -0.9)
Tip position: (8.3, 126.0, 60.3) mm

Pointable ID: 294
Type: Pinky finger
Belongs to hand with ID: 29
Classified as a finger
Length: 44.4 mm
Width: 14.1 mm
Direction: (0.02, 0.86, 0.51)

Pointable ID: 291
Type: Index finger
Belongs to hand with ID: 29
Classified as a finger
Length: 51.7 mm
Width: 17.0 mm
Direction: (-0.01, -0.53, 0.85)
Extended?: false
Metacarpal bone
Center: (-37.4, 173.2, 89.4)
Direction: (0.1, 0.1, -1.0)
Up vector: (-0.3, 1.0, 0.1)
Proximal phalanx bone
Center: (-28.0, 160.9, 49.4)
Direction: (0.3, -0.8, -0.4)
Up vector: (0.0, 0.5, -0.9)
Intermediate phalanx bone
Center: (-21.9, 139.3, 50.5)
Direction: (-0.0, -0.5, 0.8)
Up vector: (0.3, -0.8, -0.5)
Distal phalanx bone
Center: (-23.7, 134.7, 66.7)
Direction: (-0.2, 0.1, 1.0)
Up vector: (0.2, -1.0, 0.2)
Tip position: (-24.9, 135.5, 71.6) mm

Pointable ID: 292
Type: Middle finger
Belongs to hand with ID: 29
Classified as a finger
Length: 58.9 mm
Width: 16.7 mm
Direction: (-0.17, -0.60, 0.78)
Extended?: false
Metacarpal bone
Center: (-23.8, 178.6, 92.9)
Direction: (0.2, 0.1, -1.0)
Up vector: (-0.1, 1.0, 0.1)
Proximal phalanx bone
Center: (-12.0, 165.2, 53.0)
Direction: (0.2, -0.8, -0.5)
Up vector: (0.2, 0.5, -0.8)
Intermediate phalanx bone
Center: (-9.5, 139.9, 52.5)
Direction: (-0.2, -0.6, 0.8)
Up vector: (0.2, -0.8, -0.6)
Distal phalanx bone
Center: (-13.9, 133.2, 70.2)
Direction: (-0.3, 0.1, 1.0)
Up vector: (0.1, -1.0, 0.1)
Tip position: (-15.5, 133.8, 75.5) mm

Pointable ID: 293
Type: Ring finger
Belongs to hand with ID: 29
Classified as a finger
Length: 56.6 mm
Width: 15.9 mm
Direction: (0.17, -0.92, -0.36)
Extended?: false
Metacarpal bone
Center: (-10.3, 181.0, 99.3)
Direction: (0.4, 0.2, -0.9)
Up vector: (-0.1, 1.0, 0.2)
Proximal phalanx bone
Center: (8.1, 176.5, 59.0)
Direction: (0.4, -0.5, -0.8)
Up vector: (0.3, 0.9, -0.4)
Intermediate phalanx bone
Center: (18.3, 156.0, 39.5)
Direction: (0.2, -0.9, -0.4)
Up vector: (0.5, 0.4, -0.8)
Distal phalanx bone
Center: (20.2, 136.6, 35.2)
Direction: (-0.0, -1.0, -0.0)
Up vector: (0.5, -0.0, -0.9)
Tip position: (19.7, 132.0, 35.9) mm