

# HandX Dataset

**LEFT** While the thumb and middle finger **stay extended**, the ring and pinky fingers **perform a slow, continuous bending motion**. The wrist **moves up and down and side to side**.

**RIGHT** The hand transitions from a closed to an open posture as the index, middle, ring, and pinky fingers all **straighten out over time**.

**TWO-HAND RELATION** The right index and middle fingertips are in constant contact with the left palm for the majority of the motion. They break contact and move far apart rapidly at the end. The right hand also moves to the right of, and from above to below, the left hand.

(*Finger flexing* | *Wrist movement* | *Contacts* | *Spatial Relation*)

54.2 Hours

Fine-grained Description

5.9M Frames

Triplet Structure

490K Text

Multi-granularity



Benchmark Model

Training

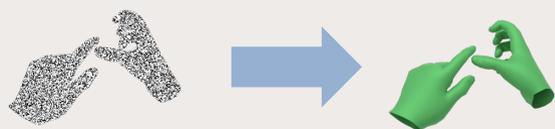
Input

ABC...

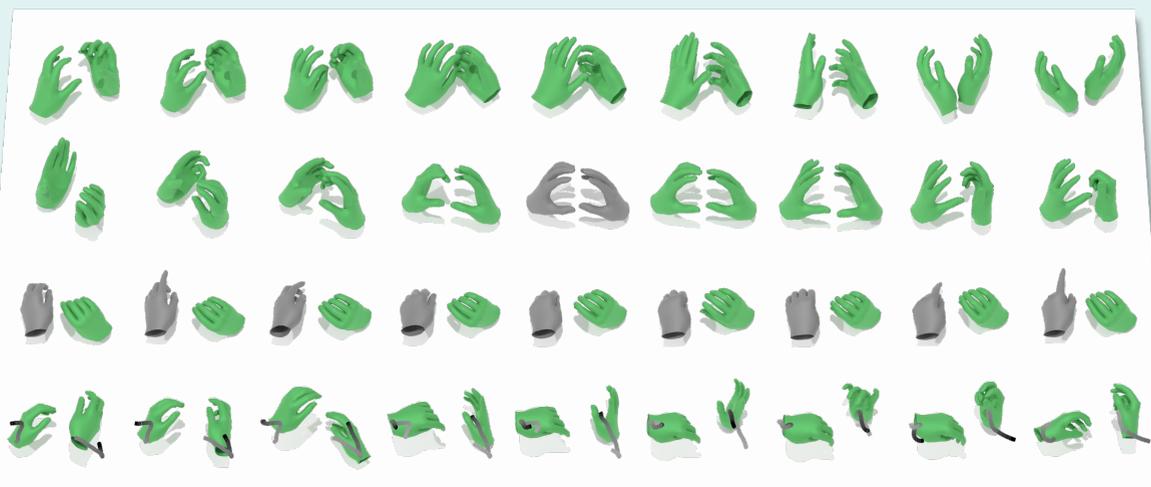
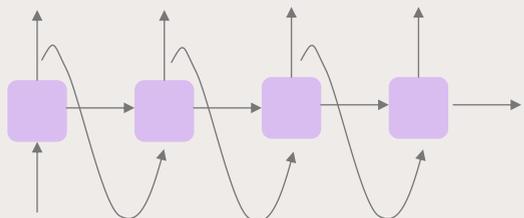
Bimanual Motion Generation

Output

Diffusion



FSQ+AR



Input Constraint

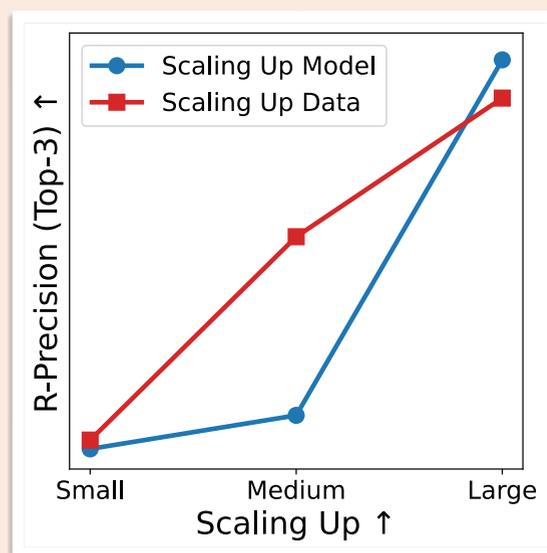


Trajectory Control



Generation Output

Scaling Trend



b.

c.

d.