A smple gesture (seed)

velocity / time (5sec)

submovements = 5
dim.jerk = 9.01

B sample gesture (chain 5, generation 5)

velocity / time (3sec)

submovements = 2
dim.jerk = 0.64

C

$$\text{dim. jerk} = \left(\int_{t2}^{t1} x'''(t)^2 dt \right) * \frac{D^3}{max(v^2)}$$

$$\textbf{smoothness}_g = \frac{\sum_{i=1}^{5} \text{dim. jerk}(T_{g,i})}{5}$$

D

correlations

gesture space

$0.37**$

smoothness

$0.52**$

$0.81**$

submovements