Supplemental material

Stroke statistics

For each sequence we list the total number of frames of the sequence, the number of key frames set by the user and the total number of strokes drawn in the key frames. Stroke percentage is the ratio between the number of drawn strokes to the number of all strokes in all frames.

Sequence	# of frames	# of key frames	Stroke count	Stroke percentage
Cheetah	64	4	19	4.24 %
Dog	38	3	11	4.13 %
Elephant	45	7	19	4.92 %
Greyhound	88	5	19	3.08 %
Kangaroo	65	4	17	3.26 %
Zebra	47	4	12	4.25 %
Horse	60	5	14	3.33 %
Snake	49	3	3	6.12 %
Camel	60	5	16	3.81 %
Giraffe	29	4	16	6.80 %
Average	54.5	4.4	14.6	4.39 %

User study instructions

User Study 29.05.2015

Time: _____

The task auf this user study is to reconstruct consistent, deformable 3D-geometry from a monocular video sequence. For this task you will use a prototype that requires some user input in form of sparse "bone strokes". Before you start you will get a short explanation of the user interface with the Cheetah sequence.

Task

Reconstruct the Dog sequence as good as possible in at most 5 minutes.

Thank you for your participation!

User study results

User 1

Time: 5:00
Stroke count: 11

User 2

Time: 3:00
Stroke count: 9

User 3

Time: 2:40
Stroke count: 8

User 4

Time: 2:50
Stroke count: 10

User 5

Time: 5:00
Stroke count: 9

User 6

Time: 4:00
Stroke count: 11

User 7

Time: 2:30
Stroke count: 8

User 8

Time: 4:00
Stroke count: 10

User 9

Time: 4:10
Stroke count: 11