

# (Motion Capture)

## Methods of Motion Capturing Intangible Cultural Properties in Japan

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.3

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(Labanotation)

1.

2.

3.

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가  
가  
4

3 가  
가

가

(Labanotation)

가

가

(sencer)

가

가

가

가

(marker)

가

2

가

가

가  
가

가

가

가

가

가

가

가

가

가

(DAF)

30

16

가



10

가

1 DAF가

. 3

가

ROM

가

CD -

1996

3

3

3

( )

가

가

가

16

3

(

)

366 가

5

4

4

가

( ) 3

2가

가

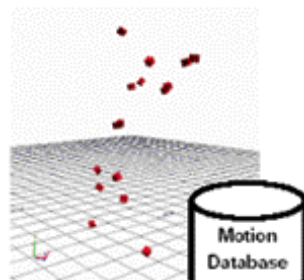
Capture point: 16 Sensors  
Capture area: about 4m x 4m



Folk Dance

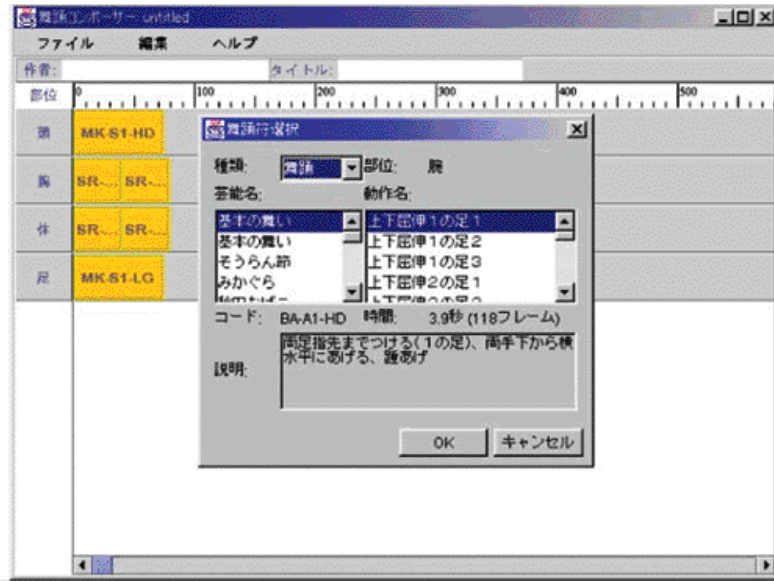


Capturing

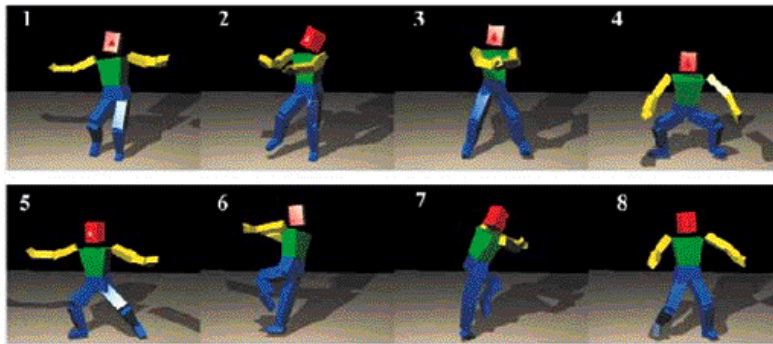


Capture Data

2 3



3



4 3

3

‘MK - S1’

‘SR - HS’

4

3

3

1

3

가

가

가

가

(Labanotation)

가

1998

21

COE

1999

CG

가

(Labanotation)

가

(Labanotation)

가

가

가

가

가

가

가 가

CG

1.

3

가

가

가

가

가

(clustering)

(Motion2Laban)

2.

(man

machine interface)

가

( ),

3가 가

가

가

가

가

가

(LabanEditor)

가

가 가

가

3D CG

VRML

가

CG

가

3.

가,

VRML

3D CG

가



3D CG

가

가

가

3

가

가

가

가

(ethnography)

(記述的)

3

가

가가

3

가

가

가

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## **Methods of Motion Capturing Intangible Cultural Properties in Japan**

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With the development of media and computer, Motion Capture system, recently used in the entertainment and computer graphics, is emerging as a new recording method. Motion Capture is a system that records time-varying position of sensors which are attached to a objects and translates it to 3-D coordinate on computer. The motion of object displays the time-varying positions of each sensors that are graphed, or the line connected man-shaped model's movements on the computer monitor. And by adding computer graphic character to it, the various angled images, which are difficult to be perceived on the stage, can be easily recorded.

Recently in Japan, Motion Capture system is being actively studied in order to use it in recording and preserving the intangible cultural assets of dance and art. Especially, Warabiza in Tazawako art village at Akita plays the leading role in this area through the project to symbolize and establish the archive of cultural dance, further, Ritsumeikan Univ. is develops the system for coupling the motion capture system to Labanotation. This article introduces the motion capture and it's related studies in Japan, which are being actively studied as a new recording method of intangible cultural assets.