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Method and Apparatus for Body Modeling and Movement Analysis

Tech ID: 19314 / UC Case 2002-850-0

TECHNOLOGY DESCRIPTION

Inventors at UCSD have invented a system for automatic acquisition of the human body model and tracking of its parameters using input from multiple synchronized video streams. The video frames are segmented and the 3D-voxel reconstructions of the human body shape in each frame are computed from the foreground silhouettes. These reconstructions are then input to the model acquisition and tracking algorithms.

This algorithm requires no initialization and can be adapted to be used for real-time modeling.

CONTACT

University of California, San Diego Office of Innovation and Commercialization innovation@ucsd.edu tel: 858.534.5815.



OTHER INFORMATION

KEYWORDS

modeling, simulation

CATEGORIZED AS

Imaging

▶ 3D/Immersive

Medical

RELATED CASES

2002-850-0

University of California, San Diego
Office of Innovation and Commercialization
9500 Gilman Drive, MC 0910, ,
La Jolla,CA 92093-0910

Tel: 858.534.5815
innovation@ucsd.edu
https://innovation.ucsd.edu
Fax: 858.534.7345

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