

Title:
The Technical Terms in Motion Capture

Word Count:
2137

Summary:
Pre - Production, Production, Post Production, Motion Capture, New Media

Keywords:
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Article Body:
A) Pre - Production

Scene : A scene or script is a numbered part of a film script, which may be broken down into p

Script : The detailed scene-by-scene instructions for a film or television production, includi

Storyboard : A form of shooting script common for animated films for many years and now usuall

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B) Production

2D Animation : The creation of moving pictures in a two-dimensional environment, such as throu

Animation :
The creation of moving pictures in a three-dimensional digital environment. This is done by se

Character animation : The art of making an animated figure move like a unique individual; some

Character model : A sheet of drawings defining the proportions, shape, clothing etc. of a char

Computer animation : The technique of using computers to generate moving pictures. Some system

Computer graphics : Charts, diagrams, drawings and other pictorial representations that are co

Effects animation : The animation of non-character movements such as rain, smoke, lightning, w

Go-Motion : Similar to 'Stop-Motion', but the animation is produced by rods attached to the pu

In Between : The paper drawing of a figure that lies in sequence between two key positions dr

Key frame animation : The animator 'draws' directly onto the CRT display and produces a basic

Stop-Motion Animation : Moving a special effects puppet or model/creature a small amount and r

Three-dimensional modeling : Geometrical descriptions of an object using polygons or solids in

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C) Post Production

Edit : The process of assembling video clips, audio tracks, graphics and other source marerial

Off-Line Edit : A "draft" edit, usually prepared in an off-line edit suite (at a lower cost),

On-Line Edit : The final version of an edit, prepared in a professional edit facility.

Non-linear editing : An approach to video editing made possible by digital video recordings. A

Off-line editing : The steps during the edit process when a preliminary selection of usable sh

On-line editing : The steps during the edit process when the compilation of final program is c

Post Production : The phases of production that occur after the recording, filming, or taping.

Render Farm : A group of computers which work together to perform the computation-intensive ta

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D) Motion Capture

Mocap : The process of recording the data from human movement so that it can be used for 3D ch

Performance Capture : The recording of a performance, either human or animal, using a Motion C

Screen : A system that replaces a specified colour (blue in this case) with images from anothe

Chroma-Key : Keying out parts of an image which contain a particular colour (or colours). Eg.

Composite : To combine two or more individual images onto one piece of film by photographic or

Motion Control : Controlling the motion of a camera or special effects object (eg. model space

Rotoscoping : Drawing around something in the frame so that an effect can be applied to that p

Virtual Sets : Sets which are generated (at least partially) from data within a computer. Most

Visual effects (also called optical or photographic effects) : Special effects achieved with t

Wire Removal : Removal of unwanted wires, rods, etc. from a piece of film by replacing them wi

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E) New Media

A generic term for the many different forms of electronic communication that are made possible

- * Web sites
- * streaming audio and video
- * chat rooms
- * e-mail
- * online communities
- * Web advertising
- * DVD and CD-ROM media
- * virtual reality environments
- * integration of digital data with the telephone, such as Internet telephony
- * digital cameras
- * mobile computing

Use of the term new media implies that the data communication is happening between desktop and

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