

## **The Reform and Promotion of Stop-motion Animation in Film and Television Short Films**

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**Abstract:** With the rapid development of information technology, the development of stop-motion animation films is an inevitable trend of stop-motion animation. Based on various periods of creation art and performance potential and a bucket of corresponding application form, it is different from 2D and 3D animation approach, more closely contact with the medium material, and the use of materials can effectively improve the stop-motion film art charm, also meet all creators' pursuit of goals.

### **1. Brief history of stop-motion animation**

Stop motion animation as a special form of animation, it has a long history, in 1907 the United States is too production field of the head office of New York, an unnamed mechanic serendipity can catch one by one with camera: white taken scenario method, called "by shooting method". This magical method was quickly spread and made a big splash in some two-part films, the earliest form of stop-motion Animation. The so-called "animation" is through professional technology by the instrument by lattice will be filming the dynamic and spatial location of mobile professional processing, use puppets, physical or human as the subject, from the object space position branched to obtain continuous movement of subject, and put each image or lens combination, produce the singular 1 the image of real activity.

### **2. Application forms of stop-motion animation materials**

Stop motion animation with science and technology rapid development, with the increase of fixed filming technique as the advent of the original sets of the most unusual visual effects for film animation art across the new milestone, in stop-motion film, artists are always looking for more to stimulate everyone shocked audience eyeball, the method of application in stop-motion material side, they never stopped footstep. 20, 30 s of the 20th century, many outstanding works with very distinct teaspoons of ethnic characteristics all use material with Chinese traditional culture elements, such as paper cutting, shadow play, the material such as wood, a doll made of animated cartoon, for example "avatar", "tsao chung said like", "fox hunting people" and so on words of the generation of Chinese people. Some avant-garde films and small films also adopt this traditional way of expression. In "blue beard" of 1937F, the producer has a strange idea that USES the characteristics of statues and puppets to show different effects, opening the door to the innovation of stop-motion animation. Art creators strive to change the selected material nature, it once again, the artistic emotion to highlight in conformity with the animated film by material of the simple sense of people or things, in order to achieve the visual effect of more real. With a different perspective, deduce the beauty of different materials, the older generation of animation artists in China many excellent pursuit of animation works, won numerous audience's eyes, winning many awards at home and abroad. I have to mention JinXi director] here, he took the magic brush is a household name, you may know him also is under a lot of, he was studying in tianjin museum of art painting seminar, participated in the eighth route army, worked as a political guidance a drama club, art editor, etc., as early as in 1937 he created the first doll with real people in fairy tales play, directed avanty cartoon series. Another milestone in the history of Chinese animation, why the crow is black, opens China's first color animation. In 1956, he won the 8th Venice international children's film festival award and

the third prize in 1957. Abroad at this time, O'Brien also took a series of monster movies, such as "The Lost World", "The Mighty Joe Young", "The Son of the King" and so on, from then on, started the wind of the beast of animation industry. The application of stop-motion animation materials is insane through the interpretation of different animation story plots through various forms. But the traditional animation by grid, after all, could not get rid of the rapid evolution of times for the development of the computer, even the most traditional animation photography by grid also can't get new technology, as a special visual effects technology is an important part of the movie, pursuit of animation photography has come to an end, it has been replaced by the computer graphics technology. However, as the most original and pure material animation art, animation art is each to glory, the 1990s saw the emergence of several classic by animated films, such as the film "The Nightmare Before Christmas" and "Chicken Run", was enough to prove it.

### **3. Effects of stop-motion animation materials on emotion in films,**

With the development of science and technology and the rapid development of computer technology, the creation of stop-motion animation films cannot be separated from the support of advanced technology. Breakthrough made also added many new forms, as a representative of the Go - Motion (digital animation township taken by grid technology) is one of them, it is mainly through the computer to control and manipulation of the model, using different materials one by one, making my head, scenario, etc, make the shot out of a high fidelity. Stop-motion animation has reached a new height, marking the transition of this ancient photography into the digital age. Such as, the famous director Steven Spielberg film of high simulation stop-motion movie "Jurassic Park", the use of advanced computer technology, simulate the real dinosaur image, for the audience to win high box office. At 3 o'clock, advanced computer technology can also save manpower, material and financial resources to shorten the production cycle of animation films and improve the efficiency of films. For example, in the creation of zombie bride, a special mechanical structure is designed for each character model to complete the same facial movements. And in each character's head, ears and head installed the related mechanical rotating device, design of the color can be in convenient, with the development of the animation story quickly and complete the required all kinds of expressions. Through the spoon to use advanced computer technology, both increase the materials needed for the animation film form, and increased the vitality of the animated film, from the fidelity and material constant exploration to attract more attention, effectively promote the rapid development of stop-motion film.

In the computer age, the emotional expression of stop-motion material is strong, flexible use of sex by return uncut jade to put in all female fruit can even visual expression full of emotion, the use of material beauty of handmade film, more let a person feel close, the expression of emotion is more exquisite, meaningful. How to use the material to present the film, which reflects the aesthetic concept contained in stop-motion animation art, can be referred to the excellent success case "A Journey Around the Dream". This film USES the unique style of stop-motion animation to show the audience the extraordinary charm of animation films. Released on October 20, 2017, the movie is co-produced by Walt Disney studios and 2 x animation studios. The film is completed by two - dimensional, three - dimensional and stop-motion animation. Rural films are bold and innovative in topic selection, material selection, scene selection and production methods. Emotional expression is very powerful and touching. The film mainly tells the story of a boy who loves music, Miguel, and the down-hearted musician Ector, who start a journey of adventure in a mysterious world with colorful colors. Using a variety of stop-motion film material forms such as Chinese traditional culture elements material such as paper cutting, cloth, mud accidentally means real combines traditional festival (dead), Mexico mexicans think dead 5 only in another world, a world more beautiful than the real world, continue to live, but person to return to earth in the day of the dead and the living family story starts. The film focuses on the sacrifice of ancestors and the sense of youth inherited from generation to generation. It constantly conveys the precious family affection to the audience and expresses the real emotional image of the characters. The production of films needs to be afraid of creativity, and more importantly, it needs to use similar methods to increase the

real image of characters and obtain more humanistic feelings. In the future named animation film creation, grasp the core of the materials, folk arts and crafts in different elements, such as sugar painting, embroidery, painting and other effective reference F, to create more outstanding works of stop-motion.

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### **References**

- [1] Chenheng .About the exploration of development of animation with Chinese characteristics and thinking [J]. Journal of film literature, 2010 (14)
- [2] Duan Jia world animation film (M) wuhan: hubei fine arts press, 2008
- [3] cashill (CassirerE). Human relations [M]. Gangyang Shanghai and Shanghai translation publishing house, 2004.
- [4] Ye Lang, modern aesthetics system [M] Beijing, Beijing university press, 2006.
- [5] Luolai, Zhangjiandong a brief introduction to Chinese animation creativity and [J] movie literature, 2011 (06)
- [6] wang feng, loss of the current Chinese animation creation of shallow [J] movie literature, 2011 . (06)