

## Study on Teaching Reform of Stop-motion Animation Material Form in Short Films

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**Abstract:** The application of the material application of the stop-motion animation, its material form is constantly expanding, and the animation creation is a lack of emotional communication. As one of the important means of film art, the material effectively improves the artistic charm of the animated film. In the process of teaching practice of the animation classroom film, how to make the students skilled in the field of material form and the technique of the animation, the new art concept and the new media designer are of great significance.

### 1. Material form of stop-motion animation

In stop-motion animation films, artists keep groping for the application of stop-motion animation materials. The combination of different materials and objects forms different flesh-and-blood and emotional characters, and the combination of these materials has a strong sense of life. Artists try to highlight the form of materials used in animated films to match people or things in the script, so that people or things on the screen can achieve more real visual effects. In stop-motion film creation, for the selected object (can be seen everywhere in life people or things) original nature to change, from the perspective of animated films alone gives them new life, that they have feelings like human thinking, as well as a variety of facial expressions and language expression ability. It will break the inertia of the audience all-round, animated characters in the film after the nature of change, make the story more moving more authenticity, will the audience into the magic world of thinking of the animation in the film, feel with different materials to create animated film brought about by the strange dream tour.

In the era of the explosion of digital technology, stop-motion animation, with its unique charm, occupies an important position in the animation category. It brings us a 2 d animation and 3 d animation more warmth and kindness, "actor" of different materials, which reflects the creation of different sex, with its own texture shaping the role of real artistic conception or scene for the film, and through the spirit connotation of animation artists fully excavate material gives "soul", this is the spiritual beauty of stop-motion materials. In stop-motion film, artists are constantly looking for shock new methods to stimulate the audience the brain from the audience, stop motion animation materials in terms of animated short, especially the application of experimental animation, they never stopped footstep.

### 2. Stop-motion animation, domestic and foreign film and television short films

Stop-motion animation category as an important branch, is the oldest and the most fundamental and most intuitive art form, for the creation of the stop motion animation, whether in China or other countries, has a profound cultural background, 20 s, 30 s, many outstanding works have very distinctive ethnic features all use material with Chinese traditional cultural elements, such as: shadow play, paper cutting, puppets, mud accidentally, puppets and other materials produced animation, such as the "tsao chung said like", "avanty", "fox hunting people influenced a generation of Chinese. Some small films and avant-garde films also try to adopt this traditional way of expression. In "blue beard" in 1937, the producer came up with the idea of using the characteristics of puppets and statues to show different effects. This time, he innovated the gate of stop-motion animation. The older generation of Chinese animation artists have left a lot of excellent animation

works, won numerous praise, and also won many domestic and foreign awards. Such as JinXi director, he took the magic brush is a household name, once he is in tianjin museum of art painting seminar studying, participated in the eighth route army, worked as a political instructor, a drama club did art editor, etc., to participate in "any lift to" shoot; For another example, director qian jiajun opened a milestone in the history of Chinese animation, why the crow is black, and the first Chinese color animation. In 1956, he won the 8th Venice international children's film festival award and the third prize of excellent films of the ministry of culture in 1957. This time abroad, director o'brien

He loved making monster movies. For example, "the lost world," "big Joe," "son of king kong" and so on, from now on opened the animation of the great beast wind. They all use different forms to interpret different animation story plots, and the application of stop-motion animation materials is crazy. With the progress of science and technology, the rapid development of computer technology, 2 d, 3 d animation has been developing rapidly, but modern film especially with commercial mechanism refused to put up with in a few years, almost every movie production cycle. At this time, stop-motion animation production cycle is short, the cost is small, the material is unique and a series of advantages burst out in an instant, can show the audience their own special charm very well. The creation of stop-motion animation films cannot be separated from the support of advanced technolog. Many new forms to digital animation by grid technology (Go - Motion) is one of them by using the computer to control and manipulate the model, using different materials one by one, making accidentally type, 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. There is a small but almost all the stop motion animation can be listed as the high-quality goods, the creation of artists play to their respective common understanding in the process of film production to the point - material used is the core of stop-motion film, film art style is the key material, all kinds of advanced smart material application is to keep the stop motion animation too long. What kind of materials are used to present the film reflects the aesthetic thoughts of the animation artists. It can be said that the selection of materials plays a decisive role in the success or failure of the film. Such as "Jurassic park" high simulation stop-motion film by the famous director Steven spielberg film, filming the use of advanced computer technology in the process of simulation is very lifelike dinosaurs film image and win the high box office. At the same time, advanced computer technology can also shorten the film production cycle and improve the film efficiency. Director Tim burton, mike Johnson photograph frames in the movie "corpse bride", specifically for each role model for the role of the mechanical structure, used to complete a variety of different expressions. And in the place such as the head of each role, ear installed the corresponding to rotating machinery, the role of design but with the development of the plot and make a rapid, accurate, convenient to complete the script need to express various. Through the use of advanced computer software technology, as well as increase the materials needed for animation film forms, and can drive the vitality of the film, interesting and creative, novel degrees from the fidelity and materials to attract more eyeballs, promoting fast and good development of stop-motion film.

### **3. Teaching reform**

Of the 21st century, for animation professional college students face a big leap forward, the rapid development of science and technology, make the various professional multi-level comprehensive reconstruction, we can't wait for how to quickly grasp stop-motion.

First at the early stage of the production need to learn to intensive reading the script, use is suiTable for the materials to complete the role character shaping of character, a wonderful animation works material selection will be an ineviTable trend in the development of film. So as to realize the video of the early, middle, and late finishing (especially for characters, props, scenes, plot finishing). In a person, scene, action of mid-late production to enhance its fine. Such as stop-motion film corpse bride, the director not only to the scene, costumes, characters of fine material, even leading lady corpse bride wearing the crown, veil and other props are carefully designed after 10 months of time, specifically for the heroine to tailor. The film from material production to the piece, its fine degree greatly satisfy the current of the development of computer

animation film needed for the quality and effect, achieve the three-dimensional computer animation film production level, after the film audience response is very warm, stunning scenes, it has the computer level, the effect of the real material film once broadcast have unexpected harvest.

Second, we must learn to adopt stop motion animation the development of the advanced technology of using computer lead to the development of animation, the advanced computer technology today, the rapid evolution of stop-motion film's breakthrough creation must leave the support of advanced technology. The innovative application of stop-motion animation films to different materials through the support of computer technology will be an inevitable trend in the development of stop-motion animation. After each period of stop-motion animation creation art, Table

Now potential besides and material application form closely linked, it will be more and more computer technology combined with material application, materials using computer technology to join can more effectively improve the stop-motion film art charm, so must learn to stop-motion materials using computer technology, so to space, shape, color and change the control precision.

Finally, in the stop-motion animation course, students should not only learn to use materials to convey emotions. And to master the design of visual elements, elements, such as layout design, sound synthesis performance, the relationship between content and form design elements and composition rules and methods, and, in the form of a variety of application design. Point, so that the students can be infectious animation film production line by grid, so that the content of the works more clear message to systematically in the creation of practice, beautiful feeling at the same time, how to make use of stop-motion material expressed in the form of a certain idea or some kind of emotional factors, which have certain experimental, have to go through the material to achieve its value, the excavation and research will become very meaningful. The material of the emotion to the life in a variety of objects, let the "it" to become a have emotions, thoughts, the soul of "actor", is the goal of the teaching process teachers have been looking for; It's the direction that artists need to keep exploring; It is a subject worthy of further study in all the animation art circles.

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