

Study on the Dual Reader Structure of Children Literature and its Influence on Creation

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Abstract. Children literature is the most powerful literary style of the reader's consciousness, and the research of children literature readers is an important field of children literature research. In order to further study the characteristics of children literature, this paper presents a dual structure of children literature, and considers the influence of the emotional factors and the psychological factors on the creation of the works. This paper statistics the influence of children and adult factors with different proportions on the sales of children literature works, and analyzes the influence of the emotional factors, children intelligence factors, adult emotional factors and adult psychological factors. The research shows that the dual structure of children readers has brought challenges on the creation of children literature, but also brings a great tension and space, which provides a valuable reference for the creation of children literature.

Introduction

The readers of children literature is the important point of children literature argument, and children are the subject of children literature. But children literature is not only limited to children, and they also has a large number of adult readers, so the readers of children literature is a dual structure, and the structure makes children literature creation more complicated and rich and colorful [1-3]. For the general literature, it rarely involves the children readers, so the general literature does not have the characteristics of a double reader, and the study of the reader is an important area of children literature. Because the adult is also an important reader of children literature, a lot of writers also take into account the adult factors in the creation, such as Twain Mark also once showed that their own creative work was considered the adult factors [4,5]. Children and adult readers constitute the dual structure on the influence of children literature.

The Two Characteristics of Children Literature Reading

For children literature reading, there are two main characteristics: one is that the main body of the children literature reader is a child, and the other is that the children readers have the characteristics of age. Due to the children in the spiritual and cultural life, the generation of children literature needs a kind of special literature. Therefore, the subject of children literature is also bound to be children. Compared with the adult readers, the number of children readers is overwhelming, the children readers have a decisive role in the creation of children literature, and many writers are in the process of telling stories to children [6-8]. For example, Andersen was a writer who told stories to children, which also determined the creative style of Andersen [9]. In order to make the adult readers also interested in children literature works, writers can not only use their simple words and language concepts, but also cannot use all the abstract things and they should follow the following structure of the reader in the creation.

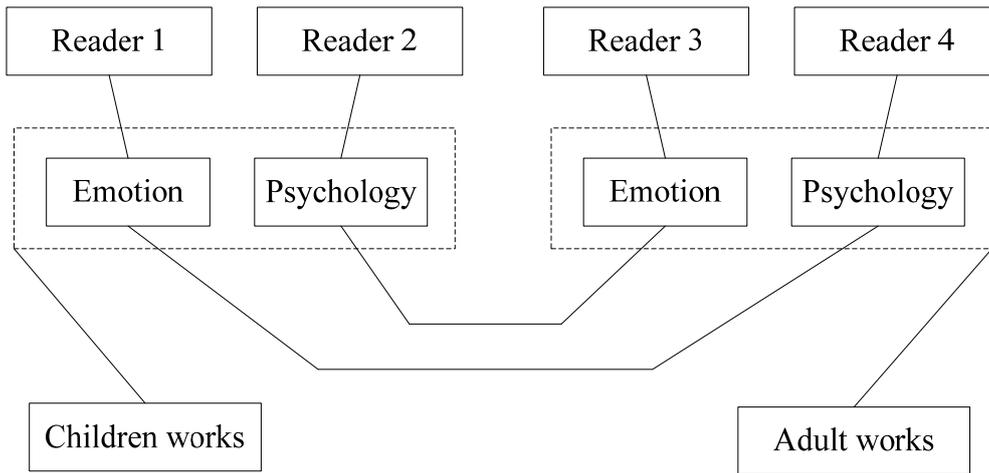


Fig.1 The two characteristic structures of children literature works

Figure 1 shows the two structural characteristics of children literature works. According to the classification of children literature, its main points are children works and adult works, and the main factor of work creation is the emotional factor and psychological factor, this also divides the readers into two categories. So, the author should grasp the characteristic structures in the creation process of children literature works, to improve the efficiency of literary creation.

The Structure Model of Children Literature Reading

Although the adult literature works will occasionally flash out of the children temperament, but the kind of spark is not long; children literature works like the flower of the four seasons that is always open, they can give people a long fun [10-12]. Each adult have experienced childhood, every adult will reveal a knowing smile for children literature naive, and its special function cannot be replaced by adult literature. There is a long and sweet memory of reading children literature, it is a full enjoyment, and it is difficult to obtain from the adult literature. According to the influence factors of children literature reading on adult literature, we can establish the structure model of children literature reading, and the concrete expressions are as follows:

$$Z(x) = y_p(x) \times e(x) + y_i(x) \times \sum_{n=0}^x e(x). \quad (1)$$

Among them, $y_p(x)$ and $y_i(x)$ respectively represent the influence of children factors and adult factors on the creation of children literature in x children readings; $e(x)$ represents the correction error, in which the corresponding correction factor is:

$$\begin{cases} y_p(x) = y_p(x-1) + \Delta y_p(x) \\ y_i(x) = y_i(x-1) + \Delta y_i(x) \end{cases}. \quad (2)$$

In formula (2), $y_p(x-1)$ and $y_i(x-1)$ respectively represent the influence of children and adult factors on the creation of children literature in $x-1$ children literature readings; $\Delta X_p(x)$ and $\Delta X_i(x)$ represent can be controlled the feedback amount by human intervention. The expression of the two dimensional continuous function is:

$$\begin{cases} y_p(x) = f_1(e, ek) \\ y_i(x) = f_2(e, ek) \end{cases}. \quad (3)$$

Where f_1 and f_2 represent the feedback control function and the fuzzy domain of the output variable $\Delta y_p(x)$ and $\Delta y_i(x)$ can be defined as the formula (4).

$$\Delta X_p(x), \Delta X_i(x) = \{-n, -n-1, \dots, n, n+1\}. \quad (4)$$

Using the fuzzy cognitive thinking of output variable, the art form of the product may be artificial intelligence operation, in which the artificial intelligence decoupling control process can be realized by MATLAB artificial intelligence code, and it can be the establishment of data results with Solidworks, the specific procedures are as shown in Figure 2.

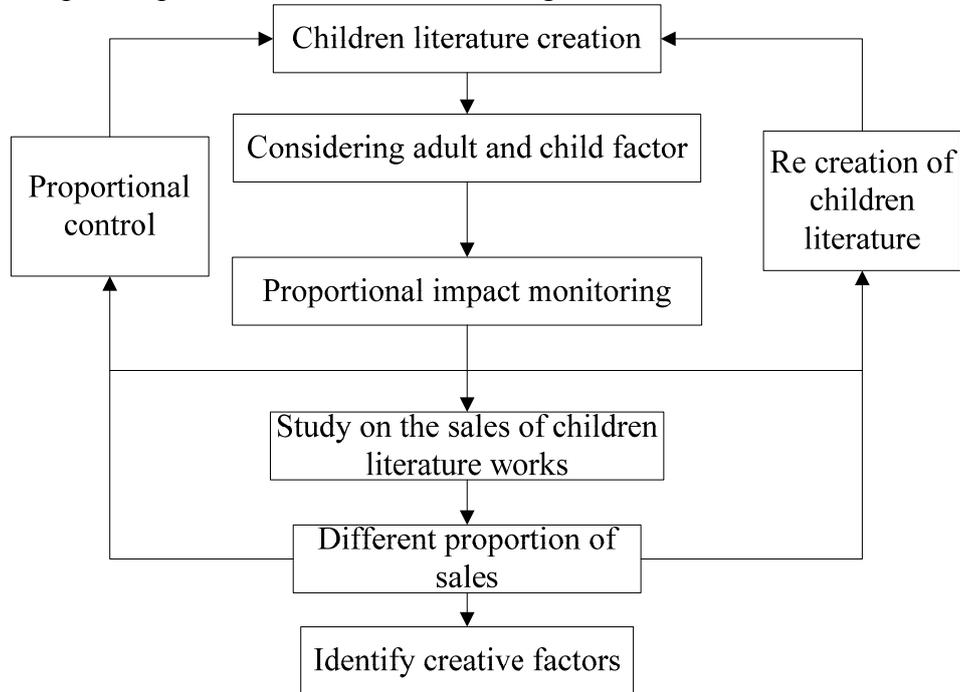


Fig.2 The flow chart of children literature creation

Figure 2 shows the process chart of children literature work creation. In order to improve the quality of children literature, this paper needs to test the influence of children and adult factors in works. Finally, the value of writing is determined by the sales volume of the work.

Study the Influence of Dual Reader Structure on Children Literature Creation

Most people think that adults don't like children books, but there is a view that if adults do not good for children literature reading, the children literature will be judged as not good [13-15]. In Narni's stories, Lewis once said that children literature need ten year old people felt valuable, and fifty people also felt valuable; if the adults were not worth to read books, they did not need to read it as a child [16]. So, people need to consider the children values and adult values in the creation of children literature.

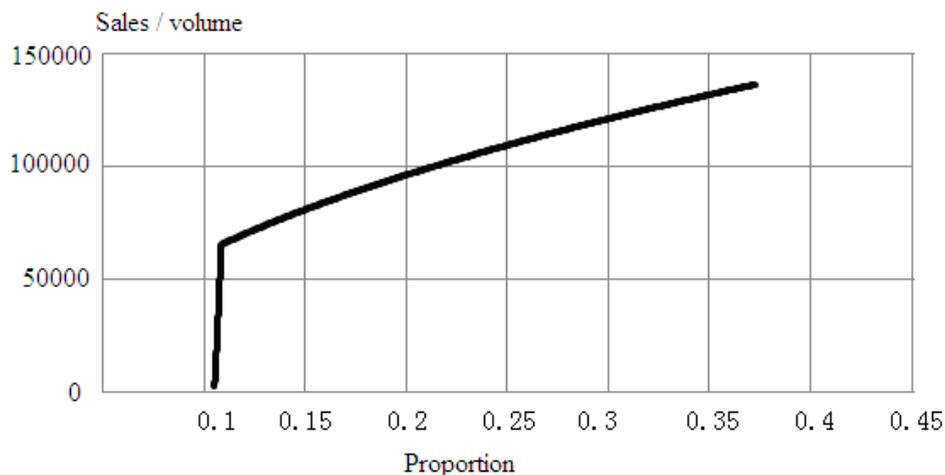


Fig.2 Considering the percentage of different adult factors on the book sales statistics

In order to study the creation of children literature, we need to add the effect of adult factors, to carry out statistics the sales of books for the percentage of different adult factors, and the results were obtained by statistics.

Figure 2 shows the book sales statistics of the percentage of considering different adult factors. It can be seen from the Figure 2 that with the proportion of children literature reading adult factors, the increase of its sales volume is also a substantial increase; of course, works can not be too much consideration of adult factors, considering different factors carry out statistics the book sales obtained as shown in Figure 3.

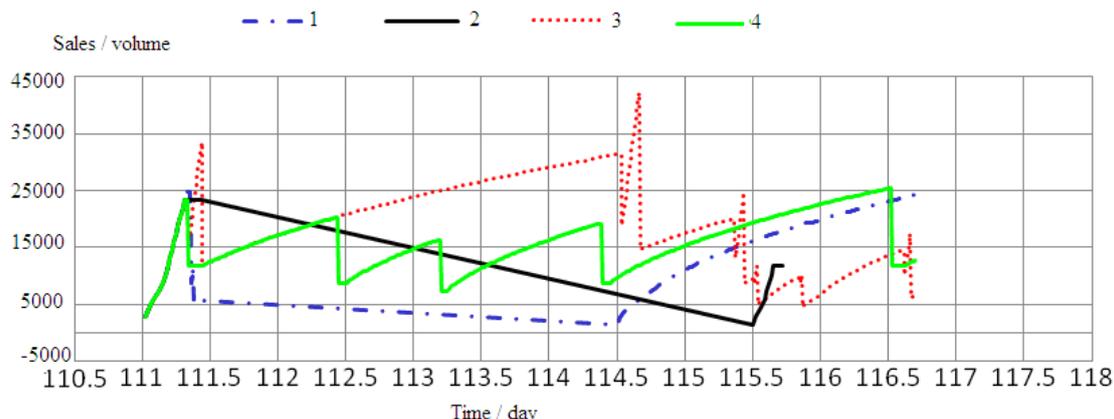


Fig. 3 The influence of different factors on the sales of children literature reading

In order to investigate the influence of different influence factors on the sales of children literature reading, the sales of children books are statistically by the four aspects counted as 1-4. The four aspects respectively consider children emotional factors, children intelligence factors, adult emotional factors, adult psychological factors, and the results are shown in Figure 3 obtained by statistics. In Figure 3, it can be seen that different factors have different effects on the sales of children literature books, so the author should take four factors into account in the creation of children literature, to improve the quality of children literature.

Summary

This paper presents a dual structure of the children literature books. Considering the percentage of reader structure, emotional factors and psychological factors, using the structure carries out statistical analysis on the impact of children literature creation and children reading sales. The statistical analysis shows that with the increase of the proportion of children literature books considering adult factors, its sales have also increased significantly; different factors have different effects on the sales of children literature books, so the author should take into consideration the dual structure of readers in the creation of children literature works, top create a popular children literature work.

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