

other is the picture data.

The virtual reality simulation of community garden environment mainly shows the scenery of a housing estate and a community environment. The planning of the whole community is focused on the rational planning and application of the building area, the humanized green space construction and the traffic road setting. Through the interaction of virtual landscape, users will be able to observe and experience the results of the design and modify the defects at any time to make the work more perfect.

**Conclusions:** This paper discusses the content of aesthetic research in the art design of virtual reality, and expounds the aesthetic expression in the art design of virtual reality from five parts. The combination of virtual reality technology and art requires deep scientific culture and high aesthetic taste. Only in this way can virtual reality get better development in the field of art and design. On the other hand, taking the virtual reality simulation of community landscape architecture as an example, this paper studies the software and hardware requirements of the scene simulation, and the basic process of the simulation process. The virtual reality simulation scene of community landscape architecture is constructed, and a variety of ways of roaming display are realized, and the effect of virtual reality simulation is displayed intuitively. The virtual reality technology will bring more changes and development for the aesthetic research in the field of art and design.

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## NEW MEDIA THINKING BASED ON COLLEGE STUDENTS' PSYCHOLOGICAL ADAPTATION TO PROMOTE THE INNOVATION OF PIANO ART GUIDANCE TEACHING MODE

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**Background:** In recent years, piano art guidance has become a subject in many colleges and universities. At the present stage, piano art guidance is widely used in the music education of colleges and universities. With the development of network technology and the wide application of intelligent mobile clients, new media and self-media emerge in an endless stream, bringing new opportunities for piano art guidance. The integration and development of new media and piano art guidance is of great significance for promoting the innovation of piano art guidance teaching mode. This paper analyzes the existing problems in the teaching mode of the piano art instruction at the present stage of the colleges and universities.

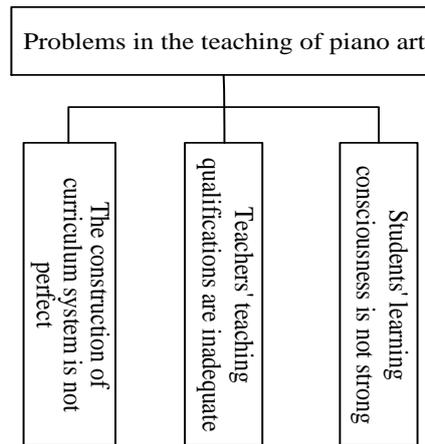
**Study design:** This paper intends to make use of the method of questionnaire to investigate the current situation of piano art instruction, explore the problems of course opening, teachers and students in the teaching of piano art, and then put forward the new teaching mode of art guidance under the new media. The author puts forward some concrete measures to innovate the teaching mode of art guidance in the new media, to help the piano art instruction to grasp the favorable support of the new media, and to provide some suggestions for the reform of the teaching mode in the relevant institutions of higher learning.

**Subjects and methods:** Through the investigation of the teaching of music departments in colleges and universities, it is found that there are some problems in the teaching of piano art instruction, such as imperfect curriculum system construction, lack of teachers' teaching qualifications, and poor students' learning consciousness, as shown in Figure 1.

**Results:** Analysis of the situation of piano art instructors: According to the analysis of the statistical results of institutions of higher learning, the degree of master degree of college teachers accounts for 89.3% of the total number of teachers. 70 post teachers account for 77.4% of the total number of teachers. Professors account for 24.6% of the total number of teachers, and there are only 2 professors over secondary, accounting for 1.2% of the total number of teachers. In the interview process, the common view of the teachers is that the piano is an important teaching means for the students to engage in music guidance in the future, and the piano art guidance course is an important theoretical course to help students improve their personal skills and level.

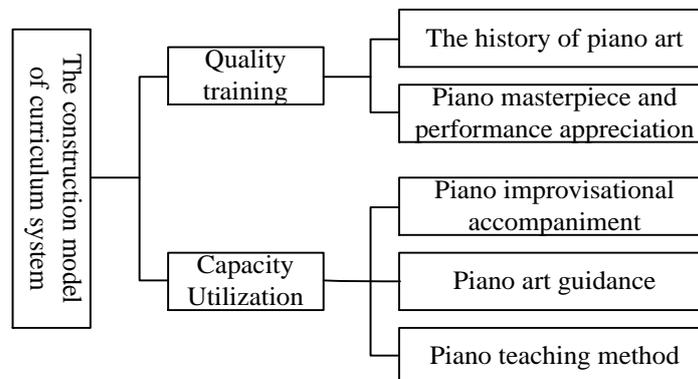
An analysis of the instructing situation of the piano art to students: Due to the different piano skills of preschool students, the level of students is different, which leads students to have different attitudes towards piano art guidance. Some students are forced to study by their parents, but they do not have much

interest in the piano. With a certain piano base, the learning attitude is negative. But some students do not have enough financial capacity to learn the piano from childhood, and choose the piano after entering colleges and universities. Though they have interest in learning, they are not able to keep pace with teachers' teaching speed due to the large gap between teachers and students.



**Figure 1.** Problems in the teaching of piano art instruction

Colleges and universities should actively set up piano art guide courses to train students from the quality training and the ability using, so as to enrich the content of curriculum construction. The courses not only need to meet the requirements of the Ministry of education in teaching and educating, but also need to understand students' needs for knowledge. Under the environment of new media, the construction of piano art guidance course system can be used as the pattern shown in Figure 1.



**Figure 1.** Construction mode of piano art guidance course system

**Conclusions:** Under the thinking of the new media, there are many opportunities in the teaching of piano art instruction. The new media will inject new vitality into the teaching of piano art, and it not only relies on the teaching of plate books and PPT. Based on the discussion of the existing problems in the teaching mode of piano art instruction at the present stage, a questionnaire is used to investigate the status of the teaching of piano art guidance under the new media thinking. It mainly includes three aspects: curriculum, teachers and students. In the process of investigation, interviews were conducted on teachers, questionnaire survey was taken on college students, and the results of the survey were analyzed with SPSS software. Both reliability and validity could meet the requirements. Based on the results of the questionnaire survey, this paper puts forward the innovative measures for the teaching mode of piano art guidance under the new media, including improving the curriculum of colleges and universities, improving the accomplishment of piano art instructors, strengthening the students' learning concept of piano art guidance and so on. It provides suggestions for relevant colleges and universities to reform piano art guidance course, enriching the teaching content of piano art instruction.

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## RESEARCH ON SURVEYING AND MAPPING ELEMENTS INTEGRATION AND MODEL