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1.Application and Research on Computer Aided Technology in the New Music Teaching Method

T.SRUTHI

ABSTRACT

In today's basic music teaching, the method is too simple, the means are relatively backward, and it does not attract the students' attention, which makes the students are becoming less and less interested in music lessons. Music is a highly practical subject, which needs to make the classroom lively. With the continuous development of science and technology in our country, computer and other science and technology have been more and more put into the practical teaching work. The teaching mode of computer aided music can make up for the model of single teaching under examination-oriented education, make the music teaching classroom more vigor and vitality, and also greatly stimulate the enthusiasm and interest of the students to learn music, and improve the teaching level of school. This paper takes music teaching as the research object and carry out the research of the application of computer aided technology in the new music teaching method.

2.Research on the Application of Data Mining Algorithm in Music Style Classification and Audience Personalized Recommendation

M.SHAILAJA

ABSTRACT

The rapid development of digital information technology has had a great impact on the music industry. Music playing and downloading has become the main business of many Internet operators. Internet technology has promoted the development of the music industry, and a variety of emerging music styles emerge in endlessly. Users' appreciation preferences vary from person to person.

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Various enterprises and many scholars have begun to study how to use computers to solve the problem of music style classification. The personalized recommendation has been applied in all aspects of social life. Music recommendation is an important part of music recommendation. Based on the theory of musicology and data mining technology, this paper puts forward an algorithm of style classification based on music files and personalized recommendation of the audience. The experiment shows that the classification and recommendation of music style based on the algorithm described in this paper is feasible and practical.

3.Multimedia Cloud Teaching Method of Psychological Teaching for College Students Based on Artificial Intelligence Algorithm

M.LALITHA

ABSTRACT

The psychological teaching methods of college students in the artificial intelligence era need to keep pace with the times. Therefore, this paper uses artificial intelligence algorithms to construct a psychological teaching model for college students based on the current teaching situation of college students, and sets the functional modules according to actual teaching needs, and uses the Poincare scatter diagram method to extract non-linear features of HRV to identify stress states. Moreover, this paper uses statistical analysis to extract time-domain feature values, evaluates heart rate variability by calculating statistical indicators of RR interval series, and performs frequency-domain analysis by AR model method. In addition, this article verifies the performance of the multimedia cloud teaching system for college student psychology teaching. The research results show that the teaching system constructed in this paper has good practical effects

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4.AGV Integrated Navigation Based on Multi-Sensor Information Fusion

B.BALAJI NAIK

ABSTRACT

AGV scheduling can be divided into static workshop scheduling where planning environment information is completely known, dynamic workshop scheduling that infers current environmental information by detection and hybrid workshop scheduling between the two. This paper mainly focuses on algorithms related to path environment description and algorithms related to path planning and summarizes the related research status and progress from these two aspects. Moreover, this article takes the integrated navigation AGV as the research object, studies the AGV integrated navigation and positioning technology and the real-time scheduling method of the multi-AGV system, uses the multi-sensor information fusion technology for information scheduling, and uses the positioning accuracy and path optimization as the system optimization goals. In addition, this paper verifies the performance of the integrated navigation method studied in this paper through a control experiment. The research results show that the method proposed in this paper has a certain effect

5.Green Building Design Based on Computer Aided Analysis

N.Praveen Babu

ABSTRACT

Green building is getting the attention of the construction industry and all walks of life. However, green building is still in its infancy, its theory is gradually mature, but the backward technology causes many difficulties in the practice of green building. The purpose of this paper

is to analyze green building design by computer-aided simulation. Firstly, the application of computer simulation analysis in building is studied, and the task of computer simulation analysis of green building is defined. Then from two aspects of light environment and wind environment, this paper studies the computer simulation analysis method of green building, and summarizes the computer simulation method of BIM performance analysis of green building. Finally, taking green building engineering as an experiment, the simulation method summarized in this paper is applied to analyze the design of green building engineering. The experimental results show that in the indoor environment analysis, given the pressure boundary conditions for the four windows of the building, the pressure of the south window is + 2.5pa, the pressure of the west window is + 1.5pa, the pressure of the east window is - 1.5pa, the pressure of the North window is - 2.5pa. The ventilation situation of the three rooms in North, South and East directions changed greatly before and after optimization, among which the rooms in North and south directions changed greatly, and the indoor wind speed increased by 0.1m/s

6.On the Evolution, Study and Development Tendency of the Concept of Civil Society

B.Umarani

ABSTRACT

In this paper, from the perspective and by mean of Marxist historical materialism, analysis of the different concepts of “civil society” at different times and their evolution was made in sequence as follows, Aristotle’s concept of “city-state” in Ancient Greek period, Cicero’s concept of “state”, divine theory of state and society in Middle Ages, Ferguson’s concept of “civilized society” and Hegel’s concept of “civil society” in capitalist period and Marx’s concept of civil society. The paper puts forward opinions as such that Marx’s concept of civil society does neither follow concepts of “political and ethical state” and “divine of state”, nor explain the emergence and formation of “civil society” from abstract “reason of state” and Adam Smith’s “Rationality of economic man”. It is found that “state” and “civil society” are two concepts with close relations and different properties. It is the

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"civil society" forms the base of state rather than "reason of state "or "rational state" determines state and "civil society". On this basis, Chinese academic circle's study on civil society and its achievements were cleared up and depicted, and two main problems in the study were proposed, which are not always adhering to standpoint of Marxism and not starting from Chinese actual situation; in the meanwhile, causes for the problems can be explained by the western academic circle's ideological transformation on China in an organized way, western discourse system's long-term effect on Chinese academic circle and specialty of thought. It predicts that western academic circle will surely carry out ideological evolution continuously on China before and after the 70th anniversary of the country's founding.

7.Analysis of Bidirectional Geogrid Based on Pavement Structure under Roadbed Stability

A.Sravani

ABSTRACT

In this paper, the synergetic effect of bi-directional geogrid on pavement structure layer is studied based on roadbed stability. The characteristics and regularities of stress and deformation of bi-directional geogrid in pavement structure layer are analyzed in detail. A new method of bidirectional geogrid reinforced soil is introduced. The force characteristics of bidirectional geogrid under the action of drawing are analyzed, and the formula of drawing resistance of bidirectional geogrid is derived. Subsidence of the pavement structure layer mainly comes from foundation settlement of the new splicing road, and the post-construction settlement of the spliced new road is equal to the total settlement of the position of the spliced new road in the reference period, and the settlement and splicing caused by the old road load at this position have the sum of settlements in the state.

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8.Effects of Futures Trading Constraints on Volatility of Stock Market

K.Manjula

ABSTRACT

Financial regulations and policies affect the financial market efficiency. Due to China's stock market experienced a serious slump from June to August in 2015, China Financial Futures Exchange (CFFEX) subsequently implements constraints on trading futures aiming to limit the speculation in futures market. To explore the impact of trading constraints on index futures on the volatility of stock market and focuses on the change in CSI300 volatility before and after restricting futures from 2015 to 2016. The trading constraints on futures help decrease the stock market's price fluctuation and effectively calm down the stock market. The results suggest that the proper trading constraints may be necessary while the market is irrational and the findings provide insights for the investors and regulators.

9.Two-stage Voltage Control Method in Photovoltaic Poverty Alleviation Areas

A.ANUSHA

ABSTRACT

Lots of distributed photovoltaic grid-connected in photovoltaic poverty alleviation areas is the main reason for the voltage limit of the distribution network with low voltage. Therefore, this paper proposes a two-stage method that controls voltagewith the photovoltaic storage system. The first stage adopts the distributed control of the photovoltaic inverter. When the light is sufficient, the

inverter works in MPPT mode, and at night it works in STATCOM mode. The utilization rate of the inverter is the consistent goal. If the voltage is still not within the safety threshold, enter the distributed-local coordinated control of energy storage in phase two, and control the charging and discharging rate by combining the consistency target of the energy storage utilization rate and SoC local information. In Matlab/Simulink, a low-voltage power distribution system for photovoltaic poverty alleviation areas was built, and the simulation results show that the voltage over-limit problem in this area has been effectively solved.

10.Analysis of Functional Requirements for Environmental Behavior Change Mobile Applications

G.VENKATARAMANA

ABSTRACT

Meeting user requirements to the environmental behavior change mobile application (EBC app) is a critical step to the researches that intend to implement theoretically grounded behavior intervention techniques for empirically promoting user environment behavior changes. However, relative litter work addresses user requirements in EBC app development. This paper aims to explore the features of the EBC app from user point of view. An integrated approach that combines the Kano model and AHP technique is applied to assessing the user requirements. The features of EBC app are first classified into 4 quality categories, and then ranked with the weight calculated through AHP analysis. Moreover, the strategies for EBC app configuration and feature prioritization are proposed. This contributes as a reference of behavior intervention techniques and development of EBC apps.

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He has completed B.E. (Electronics & Communication) in 2002 from GRKIST Jabalpur along with M.E. (Digital Communication) in 2009 from SRIT Jabalpur and completed PhD (Image Processing) from JVWU Jaipur . He completed M.B.A (Marketing) in 2009 from IGNOU . His total work experience in academic field is nearly 11 years along with industrial experience of 3 years. He has published 27 international papers and presented 16 papers in international/ national conference. Presently he is working as Associate Professor in IIET SIDDIPET.

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