Short Communication Open Access

Building Information Modelling Platform to Carry Out Structural Modelling

Fritz Elodie*

Department of Civil Engineering, College of Coventry, United Kingdom

Introduction

Based on the characteristics of information sharing platform in building information modelling, the structure analysis so ware of building information modelling platform must be able to undertake the structure information model of building information modelling core modelling so ware. According to the structural analysis so ware, the adjustment of the structure model can also be successfully fed back to the core modelling so ware. At present, there is little building information modelling core modelling so ware to achieve so ware structure geometry model, load model and boundary constraint interaction [1-5]. To achieve information geometric model, load model and boundary constraint conditions the trans-conductance of the so ware is based on the same series of so ware. Such as Autodesk revit structure so ware and Autodesk Company dedicated to the structural nite element analysis so ware Autodesk Robot Structural Analysis in the geometric model between the load model and the boundary constraints of the data exchange between the basic no more errors. In the domestic, Robot in structural analysis and design of Shanghai Lupu Bridge, Lu Yang bridge, Shenzhen Yantian terminal engineering, Shanghai Metro, Guangzhou Metro multiple each country large-scale construction projects are analysed. Shanghai ocean aquarium, bank building, Shenzhen City Plaza, Nanning International Convention and Exhibition Centre, such as the quality of curtain wall structural analysis also has the outstanding performance of Robot Structural .But because of Robot lack of the corresponding Chinese structural design code, it is di cult to popularize in the eld of civil building structure analysis. Other common so ware can also realize the exchange of structural data information at di erent depths such as Sup2000, Midas and the general structure analysis so ware Practical Structural Design and Construction So ware and so on. e Structure construction drawing deepen design so ware is mainly onructuralgl3Pe,- Robot SwtCT,uc9smn d2epen desiBegliz a 1990s Tekla03\(\vec{w}\)pany proding Tekla0c9smn

tables and engineering quantity calculation. of the project participants, as the structure module of Revit platform. Revit Structure so ware modelling can be set through the working set of the project work completed each set break up the whole into parts, the modelling work of the project. Revit platform in each work set to work independently, using the common centre le of the project and e rights of each work set are owned by each work set, and need to be obtained from each other when the other party needs to modify the content of the other work. For a model that has been saved to the central le, the system will be updated to the corresponding working set when a design change occurs [6-10].

Acknowledgement

None

Conflict of Interest

None

References

- Shan B, Xi-Jie L, Yong-Gang S, Yan-Song X, Zhang K, et al. (2018) Engineering Hollow Carbon Architecture for High-Performance K-Ion Battery Anode. J Am Chem Soc 140: 7127-7134
- Odgerel C. Shintaro A. Shuzo M. Tatsuhiko K. Tomohiro I. et al. (2021) Perception of feeling cold in the bedroom and sleep quality. Nagoya J Med Sci 83: 705-714.
- Andrew LD, Heather B (2018) Architecture for Health Is Not Just for Healthcare Architects HFRD 11: 8-12
- Richard I. Schvrr B. Aiassa S. Carrara S. Sorin F (2021) All-in-Fiber Electrochemical Sensing. ACS Appl Mater Interfaces 13: 43356-43363.
- Franck ER, Mahamadou N, Saloua C, Carlo G, Jean BD (2020) Functional architecture of the motor homunculus detected by electrostimulation. J Physiol 598: 5487-5504
- e Revit model can provide information about the nargic glaplans scope reventitional state ecure of the somatosensory homunculus detected by electrostimulation. J Physiol 596: 941-956.
 - Avinash MB, Thimmaiah G (2018) Architectonics: Design of Molecular Architecture for Functional Applications. Acc Chem Res 51: 414-426.
 - Sebastian M, Jonathan DC (2021) Rationalizing constraints on the capacity for cognitive control. Trends Cogn Sci 25: 757-775.

- 9. Maxine L, Fernando C (2018) Regulation of mechanotransduction: Emerging roles for septins. Cytoskeleton (Hoboken) 76: 115-122.
- Hwang ES, Julie MS, Bradley RJ (2019) Utility of regional epithelial thickness measurements in corneal evaluations. Surv Ophthalmol 65: 187-204.