



Building Information Modelling Platform to Carry Out Structural Modelling

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Introduction

Based on the characteristics of information sharing platform in building information modelling, the structure analysis software of building information modelling platform must be able to undertake the structure information model of building information modelling core modelling software. According to the structural analysis software, the adjustment of the structure model can also be successfully fed back to the core modelling software. At present, there is little building information modelling core modelling software to achieve software 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 software is based on the same series of software. Such as Autodesk revit structure software and Autodesk Company dedicated to the structural finite element analysis software 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 difficult to popularize in the field of civil building structure analysis. Other common software can also realize the exchange of structural data information at different depths such as Sup2000, Midas and the general structure analysis software Practical Structural Design and Construction Software and so on. The Structure construction drawing deepen design software is mainly on structural gl3Pe, - Robot SwtCT, uc9smn d2epen desiBegliz a 1990s Tekla037pany proding Tekla0c9smn

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