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# 福美幼儿园工程建模和预算

## 摘要

该设计采用清华斯维尔软件三维建模，将 4 层高总建筑面积 2315.97m<sup>2</sup>的框架结构福美幼儿园进行三维建模，通过斯维尔清单计价软件导出工程量，再手工计算基础层工程量将其与软件计算的对比校核，对误差超过 10%的进行修正，之后运用斯维尔清单计价套价，编制福美幼儿园工程预算书，结果得到建筑总造价 2,854,623.05 元，单方价格为 1,232.58 元。

**关键词：**三维建模，手工算量，对比分析，预算

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## ABSTRACT

The design adopts the tsinghua university, 3d modeling software,and carries out the 3d modeling of FUMEI kindergarten,a 4-storey frame structure with a total construction area of 2315.97 square meters. Export quantity by the software, and manual calculation base layer of quantities to be compared with the the software check, error should be revised, of more than 10% after using the set of price, and proportion by the kindergarten project budget, theresulting building total cost 2,854,623.05 yuan, unilateral price is 1,232.58 yuan.

**Keywords:** Three dimensional modeling, manual calculation, error analysis, budget

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