

毕业设计（论文）题目： 轻型电动旅游观光车

摘 要

本文设计了一辆 8 马达港客轿车。首先通过对现有的资料文献进行阅读、学习，掌握了大致的方法。随后，根据设计车辆主要使用场景，对驱动电机以及蓄电池进行比较分析，通过严谨的计算，完成了电机和电池的选择。根据电机和电池的类型以及结构，着手设计车辆底盘。车辆的底盘需要布置传动系统、转向系统以及避震、制动等系统。通过科学的分析和计算，合理安排上述系统，完成了对底盘的整体安排，确保了系统的稳定和安全。电力驱动车辆区别于传统的燃油车，底盘结构相对简单，因此底盘整体的空间变大，底盘整体的配置也变得自由。最后使用基于这些计算出的数据进行汽车的布局设计。

关键词：电力驱动观光汽车；总体设计；底盘设计；电机；电池；

Abstract

This article This article writes an eight tourism electric automobile design. First is to the massive electric automobile material consult then from the electrical machinery choice the battery choice begins according to the topic request carries on a series of computations finally to obtain satisfies the travel request the electrical machinery and the battery. After chooses the electrical machinery and the battery is same with the design fuel oil automobile chassis simultaneously synthesizes the electric automobile the unique feature to the automobile transmission system the travel system the steering system the braking system carries on analyses and the design. Designs the chassis in this for the electric automobile in the process, must pay attention to the electric automobile and the fuel oil automobile different place specially. designs in me on this low speed tourism electric automobile, its power transmission is very simple does not have the traditional coupling and the transmission gearbox also does not have the rotary transmission system, is the electrical machinery direct and the main gear with the gear meshing direct connection like this causes the entire chassis the spatial big increase, the entire chassis arrangement also might change is more free. Finally in these foundations, the use computed information carries on to the automobile always arranges the design.

Keywords: Tourism Electric Automobile; Design Electrical Machinery; Battery; Chassis Arrangement;

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