

燃料电池混合动力汽车能源系统优化配置

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关键词: 混合动力汽车 燃料电池 能源系统 优化

摘要: 利用Advisor整车仿真模型, 提出一种以特定循环行驶工况下整车燃油经济性为优化目标, 将能量元件尺寸和控制策略参数共同作为优化变量的燃烧电
池混合动力汽车能源系统综合优化配置方法。最后通过实例对此优化配置方法进行了分析和有效性验证。 Based on vehicle model of Advisor
simulation platform, a combined optimization method of power configuration for fuel cell hybrid electric vehicles was presented,
namely both power size and control parameters of the energy component were taken as design variable simultaneously with fuel economy
of specific driving cycle as optimization target. Finally this method was used to configure one certain fuel cell hybrid bus for
analyzing and its validation.

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