

基于V模式的混合动力汽车多能源动力总成控制器开发平台

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摘要 介绍了V模式现代开发方法的主要流程,并基于V模式开发思想,利用CHEV2004仿真软件和混合动力汽车试验台架构建了汽车电控系统开发平台,利用该平台进行了解放牌混合动力城市公交车HCU的实际开发。结果表明,利用基于V模式的开发平台进行HCU的开发是高效而可靠的。

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Development platform for HEV energy management system based on V mode and its application

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Abstract The V mode was introduced and its development processes were described. An integrative electronic control unit development platform was built using CHEV2004 HEV simulation software and hybrid electric vehicle test bench based on the V mode to develop a hybrid control unit(HCU) for the Jiefang brand CA6110 HEV hybrid electric city bus. The test results of the HCU developed by the built platform showed that the development of the HCU by the developed platform based on the V mode is efficient and reliable.

Key words [vehicle engineering](#) [hybrid electric vehicle\(HEV\)](#) [V cycle](#) [hybrid control unit\(HCU\)](#) [rapid control prototype\(RCP\)](#) [automatic generation of code](#) [hardware in the loop simulation\(HIL\)](#)

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