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摘要：通过虚拟仪器的设计思想，基于LabVIEW开发平台构造频率响应的控制与数据采集测试系统。介绍频率响应系统的设计构成，阐述利用LabVIEW 7.1和Exacq CM 2121数据采集卡对频率响应系统控制和数据采集的实现，重点介绍框图程序及频率设定、API函数设置、波形采集及显示、数据处理并存储的编程方法和关键技术。

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[Application on virtual instrument in frequency response of catalysts](#)

Abstract: A frequency response system, for the characterization of catalysts, based on LabVIEW has been constructed. According to the idea of virtual instrument, the design procedures for the frequency response system applying LabVIEW 7.1 and DAQ card of Exacq CM 2121 is described. The graphic programs, design procedures and key techniques for the software of frequency setting, API configuration, waveform acquisition and display, data processing and storage, etc. were described mainly.

Key words:

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