

IIR 数字滤波器的设计方法及实现

摘 要

过滤设计可使用各种设计模式、数据和现有的模拟过滤表，以减少计算的负担。直接作业方法和作业方法。这项发明主要运用到传统的深滤镜过滤方法。传统的方法首先设计出过滤器的技术指数模拟过滤器，然后将设计的模拟过滤器转换为反映给定技术指数的数字过滤器。就实际过滤器的设计来说，全部计算的过程非常重要。国际货币基金组织在设计高级过滤时，计算结果是很大，要重新计算过滤的参数或类型。首先，这张纸简要介绍了数码过滤器。这张纸介绍了数码过滤器的分级，简要介绍了数码过滤器的工作原理，并着重介绍了一些在设计数码过滤器时应该考虑的技术规格，然后介绍“数字过滤器”成立的新设计基础。除了缺乏监管反应和资金替代研究外，大家还讨论了如何创建灵异过滤系统。然后由瓷器转换转换，来引进数码过滤器的具体设计步骤。介绍的是“MATLAB”语言、MATLAB 工具箱的功能和“MATLAB”语言过滤器的设计方法。最后的重点是设计 i 货物过滤工具箱的功能。这项发明法是一个双方向转换过程，结合 MATLAB 工具的功能来进行组合。该工具工具具有设计并提供放大器频率和周态。

关键词： 契比雪夫滤波器；巴特沃斯滤波器；冲击响应不变；双线性变换法；

Abstract

Filtering designs can use a variety of design patterns, data, and existing simulated filtering tables to reduce the computational burden. Direct operation method and operation method. This invention mainly applies to the traditional method of deep filter. The traditional method first designs the technical index analog filter of the filter and then converts the designed analog filter into a digital filter reflecting the given technical index. In terms of the design of the actual filter, the whole calculation process is very important. When the imf designs advanced filters, the calculations are large and the parameters or types of filters are recalculated. First, the paper gives a brief introduction to digital filters. This paper introduces the classification of digital filters, briefly introduces the working principle of digital filters, highlights some technical specifications that should be considered when designing digital filters, and then introduces the new design basis for the establishment of digital filters. In addition to the lack of a regulatory response and funding for alternative research, there was discussion on how to create a paranormal filtering system. Then by the porcelain conversion conversion, to introduce the digital filter specific design steps. This paper introduces the "MATLAB" language, the function of MATLAB tool box and the design method of "MATLAB" language filter. The last focus is to design the function of I cargo filter tool box. The invention is a two-way conversion process, combining the functions of MATLAB tools. The tool has a design and provides amplifier frequency and cycle state

Key words: chebyshev filter; Butterworth filter; impact response is unchanged filter; Bilinear transformation method filter;

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