Abstract

Dsp filter use in the communication and computation. Optimization methods are used to design top-quality digital IIR filter. IIR filter is designed by the Ancient Vedic mathematics. IIR filter design first time with the help of Vedic method technique, Which is parvartya method. here paper a fast method for filter designing is depend lying on very old Vedic mathematics, is completed with the help of Paravartya Yojayet method, which is very efficient method for all algebraic method. This method is applicable for all types of DSP operation. This algorithm is implement in MATLAB and all the operation is performed in GUI. The parvartya method is more efficient method. With the help of using this method the result like as the speed of operation and reducing noise in 85-90%. This algorithm operates in the concept of Vedic multiplier.

References

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**Index Terms**

Computer Science Information Sciences

**Keywords**

DSP, IIR, FIR, Parvartya, Vedic Mathematics, GUI