Abstract

Acoustic echo is the major issue involved in telecommunication system, which is actually a delayed and distorted version of sound reflected back to the source. Cancellation of echoes involves the use of acoustic echo cancellers. Echo cancellation is done by using adaptive filters by making use of adaptive filter algorithms. In this review paper, we have studied and discussed few of the previous work done on these algorithms in relation to acoustic echo cancellation. This paper contains the basic review of all such existing algorithms of the acoustic echo cancellation like LMS, LLMS, NLMS, RLS, AAF, and APA. Finally, comparison of above algorithm is given in order to conclude the discussion.
References

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**Index Terms**

Computer Science  
Algorithm

**Keywords**

Least Mean Square (lms)  
Leaky Least Mean Square Algorithm (llms)  
normalized Least Mean Square (nlms)  
Recursive Least Square (rls)  
Average Adaptive Filter (aaf)  
Affine Projection Algorithm (apa)