



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	2013_BJMCS_6547
Title of the Manuscript:	Audio CODECs using the interpolation "LSM" and comparison with PCM

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
Please compare the performance of proposed CODECs with other CODECs such as AAC and AC3 instead of PCM. PCM is used to covert analog signal to digital signal, and it is a lossy algorithm, which is not used to keep high quality audios. SNRs plotted in Figure 6, 7, 8 and 10 are spectrum actually, which do not show the quality degradation from the original audio files. The qualities of MP3 files are not sufficient for demonstration, since they are already compressed with loss. Lossless audio files are better candidates for experiments. There are still some typos left.	1-The objective from the research is to show that these CODECs can replace the quantization part efficiently, and to open new perspective for using the least squares in Audio's modelling. PCM is a lossy process and so is our process, but these kinds of process still involved in many modulation/codecs techniques as a whole or as a part. The quantization part in PCM is used in many other CODECs, that is why our results must be compared with it or it is worthless. PCM still used in telephony systems until now and in mobile networks also . 2-We think that the figures is showing the results from many points of view. However, if you want to remove some of them! We can do that. 3-Involvement of MP3 is to show the applicability of our approach to be combined with other CODECs to increase the compression. The files used in Table1 are not MP3, they are lossless files which are a good source of experiments in the literature. The only MP3 files used in the MP3 section only. 4-If there are still typos, it might be a good idea to point them to us, because the paper reviewed in a professional writing center, so we expect if you found typos they must be very few ones. 5-After the reviewers report, we were working on improving the paper totally, but we can't change fundamental thing now as we did these experiments through months and changing them means starting from the scratch.