AUDITORY MEASUREMENTS OF SPEECH INTELLIGIBILITY

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INTRODUCTION

It has been hypothesized that a more precise measurement of the intelligibility of speech (articulation index) could be designed. By basing the measurements on algorithms that model the human auditory system, the articulation index would more closely represent how humans hear sound. The index could be used to measure speech transmission through various channels e.g. lecture halls, intercom systems, and telephone lines.

CONCLUSION

An auditory model has been created to model the human auditory system. Also, it has been shown that the model correlates closely with the human auditory system. Future work must be done to study the ripple content of human speech.