Abstract

This paper has done a study and experimental analysis on different intonation events of Assamese speech. Assamese is a North East Indian language and spoken by lacks of people in India. The researchers need intonation model to identify language specific intonation events, which are necessary for synthesis process of that particular language. The paper shows outcomes of some experiments done with different speech software and observes the intonation behavior like fundamental frequency, duration and boundary tone on segment of Assamese utterances. This paper is on Tilt intonation model and phonology of Assamese language which is necessary for speech synthesis. Some unique characteristics of Assamese utterances and syllable level behavior are also described in this paper.

References

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**Index Terms**

Computer Science          Pattern Recognition

**Keywords**

Intonation, speech synthesis, fundamental frequency, duration