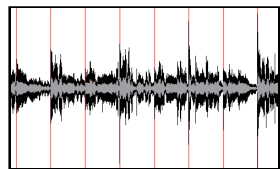
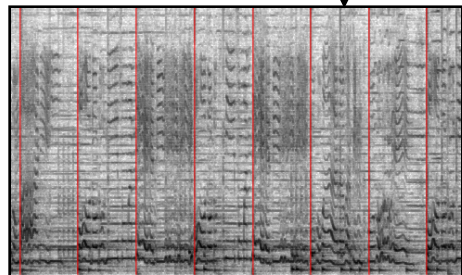


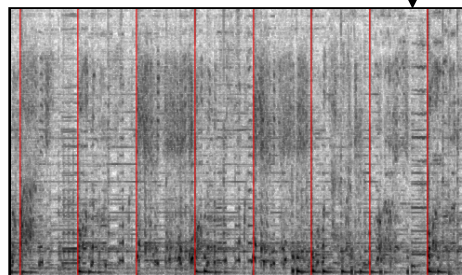
Pre-processing



(a) Audio



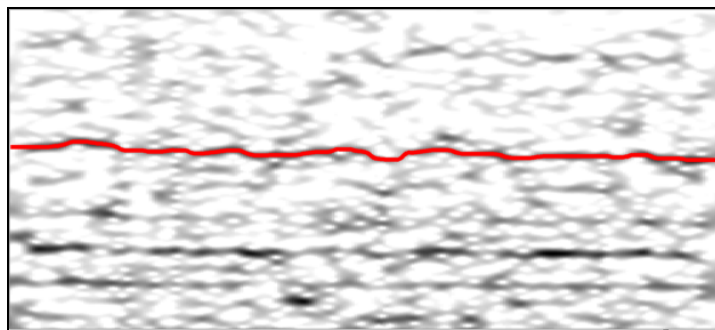
(c) Spectrogram



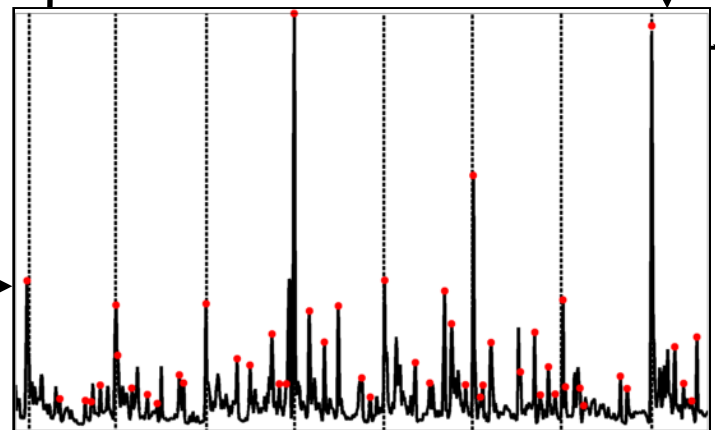
(c) Percussion enhanced Spectrogram

Percussion enhanced audio

Akşara period and pulse tracking



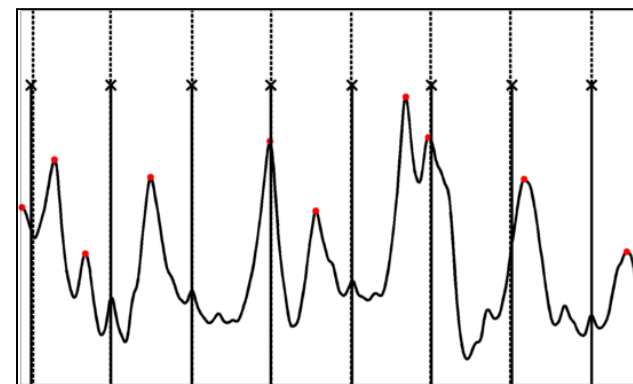
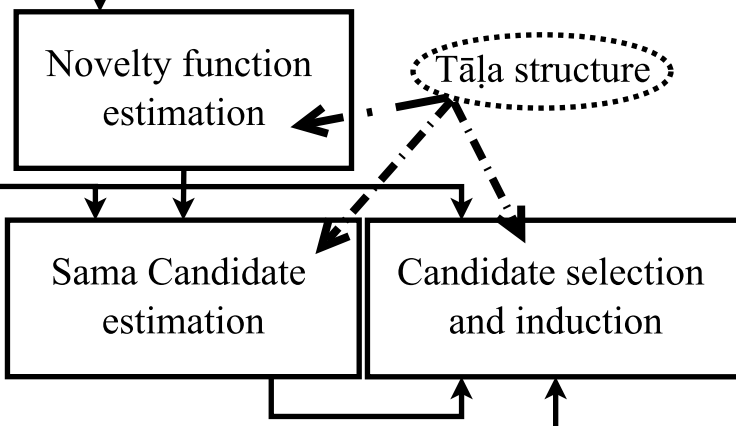
(d) Tempogram with AP curve



(e) Onset detection function, estimated Akşaras

Onsets, Akşara pulse period curve, Akşara pulse locations

Sama Tracking



(f) Novelty function, the sama candidates and estimated sama instants

Novelty function, Sama candidates, estimated sama locations