Literature Review

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I. AUDIO PROCESSING

A. LPC

B. Frequency-warped LPC

C. Fourier space excitation-filter framework

D. Filterbanks (overcomplete codebooks?) for speech analysis

II. OPTIMIZATION AND LEARNING

A. LPC optimization

B. L2, L1 minimizations

C. Optimization of mixtures

D. Sparsecoding and compressed sensing

E. LTI filter clustering

III. MIR APPLICATIONS

A. Source separation

B. Melody extraction and automatic transcription

[1]–[3].... Guitar chords and fingering [4]....

C. Chord recognition

D. Instrument recognition

[5], [6].... Polyphonic and polyinstrument [7].... Instrument recognition (temporal and cepstral features) [8].... Identifying woodwind instruments [9]..... Multitrack mixing: [10], [11]....

IV. DATASETS

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