**Real-time Identification of Common and Extended Musical Chords using Artificial Neural Networks**

Topic Outline of Literature Review

1. **Musical Chords**
   1. Definition
   2. Parameters of a Musical Chord
2. **Significance of Musical Chord Identification**
   1. The demand for chordal representations of music
   2. The proliferation of musical chord sources
   3. The accuracy of musical chord sources
3. **Dependency of Musical Chord Identification on Absolute Pitch (AP)**
   1. Definition of AP
   2. Rarity of AP
   3. The role of AP in chord identification
4. **Previous Attempts at Chord Identification**
   1. Classical Algorithms
   2. Neural Network models
5. **Artificial Neural Networks (ANNs)**
   1. Function
   2. Structure
   3. Training
   4. Testing
      1. ANN Testing techniques
      2. ANN Test statistics
      3. ANN Data analysis techniques
6. **Hardware and Software used for ANN Simulation and MIDI I/O**
   1. GPU
   2. Software
      1. Neural Network libraries
      2. GPU computation libraries
      3. Programming language
      4. IDE
      5. Real-time MIDI I/O libraries
   3. Software installation and configuration processes
7. **Dummy**