**AN INTERACTIVE RHYTHM TRAINING TOOL FOR USULS OF TURKISH MAKAM MUSIC**

**Link:** <https://pdfs.semanticscholar.org/7343/413b1963be7733cd61e13dece2355e59ccec.pdf>

**1. Key Idea:**

The key idea behind using or researching this paper is to use the detection method they are using actually they are detecting music nodes from real voice and trying to play that same node through a software or we can say it recognizing of nodes as well as noise removal too.

**2. Background Knowledge:**

In Turkish makam music culture, education process is mainly based on practicing the melodic and rhythmic patterns. Being an oral tradition, the fundamentals of this music culture is generally learned from a master in face-to-face sessions. This education model is called mes¸k in Turkish makam music tradition. During mes¸k, the master explains and demonstrates the pattern and then the student practices until the master approves the student’s proficiency.

**3. Assumptions:**

Author has assume that they have some muical track as their data for which he used ‘usuls’ word many times.

**4. Contribution:**

They are comparing at the end that students rhythm to the rhythm that software is making to conclude how much that rhythm from student is good.

**5. Critical Points:**