

***Similarity estimation between musical rhythm patterns II.  
Psychoacoustic and Connectionist approaches***

**ABSTRACT**

*A self-organizing neural network for rhythm pattern mapping and classification called SARDNET, is described and its performance in the analysis of real musical timing data is evaluated as a preliminary stage of examining various indices of “distance measures” between the resulting “feature maps”.*

*These preliminary results provide evidence that this type of network architecture may be proven successful on mapping and categorizing timing performance acuity in rhythm copying tasks.*