

Biologists asked us to create a system that recognizes particular grasshopper species from stridulation records. Currently we recognize five grasshopper species which can be seen in the Czech Republic using a free available toolkit for speech recognition called HTK. In addition to the acoustic model itself we also created web sites, which would analyse a stridulation record and then save the result for subsequent utilization. The current model is based only on a limited amount of training records, but its results are satisfactory. The web sites also serve as a gathering system; consequently, it is possible to further extend and improve the model.