HQSYN16 - Task #4212

Task # 3677 (New): RA3b - Phonetically justified parameters (spectral tilt, ...)

Task # 3697 (Assigned): Electromagnetic articulography (EMA) based research

Correlation of EMA-based articulation data with MFCCs

02.06.2017 09:37 - Matoušek Jindřich

Status:	Closed		**Start date:**	02.06.2017
Priority:	Normal		**Due date:**	30.06.2017
Assignee:	Matura Martin		**% Done:**	100%
Category:			**Estimated time:**	0.00 hour
Target version:	RA3: Phonetically justified parameters for speech synthesis			

Description

Find out how the newly measured EMA data is correlated with traditionally used MFCCs. The motivation for this experiment is:

Does the articulation data bring some new information?

Give a brief description on the **Experiments** wiki.

History

#1 - 18.09.2017 07:41 - Matura Martin

- Status changed from New to Resolved

- % Done changed from 0 to 100

Correlation between EMA data and MFCCs was examined for **one**, **ten** and **a hundred** different sentences. Resulting correlations **0.539**, **0.142** and **-0.006** suggest, that there is no significant relationship between examined data. It could also mean, that there is a lot of new information in the articulation data, that is not in MFCCs.

#2 - 10.11.2017 09:09 - Matoušek Jindřich

- Status changed from Resolved to Closed