

## 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

<b>Status:</b>	Closed	<b>Start date:</b>	02.06.2017
<b>Priority:</b>	Normal	<b>Due date:</b>	30.06.2017
<b>Assignee:</b>	Matura Martin	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	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