HQSYN16 - Task #4343

Task # 4329 (Closed): Dílčí zpráva 2017

Task # 4342 (Closed): Část DC - rozbor řešení (FF UK)

Popis řešení projektu - část RA2

28.11.2017 12:28 - Matoušek Jindřich

Status:	Closed	**Start date:**	28.11.2017
Priority:	Normal	**Due date:**	15.12.2017
Assignee:	Skarnitzl Radek	**% Done:**	100%
Category:		**Estimated time:**	0.00 hour
Target version:	RAx: Administration		

Description

Vypracovat popis řešení projektu - část RA2abc)

Počet znaků: cca 1000

History

#1 - 20.12.2017 16:37 - Skarnitzl Radek

- Status changed from New to Resolved

- % Done changed from 0 to 100

In RA2, the work focused on the perceptual testing of intrusive phenomena, mostly in the spectral domain and in the domain of fundamental frequency (F0). Preliminary analyses revealed that a great majority of the problems resulting from contextual incongruity (i.e., the effect of labial, palatal, or nasal contexts; see RA2a) can be captured by the formant values (RA2c). This led to the creation of a perception test where formant frequencies were manipulated in a controlled way so as to create artificial discontinuities. Subsequent perceptual testing showed that formant discontinuities may have serious perceptual repercussions, affecting the perceived length of the vowels in question; since Czech is a language with distinctive vowel length, this was a very important finding, published in Interspeech 2017 proceedings. F0 shifts (RA2b) yielded no such effects, but work is currently continuing on preparing more sophisticated F0 discontinuities (see RA3c).

#2 - 20.12.2017 21:31 - Matoušek Jindřich

- Status changed from Resolved to Closed