

HQSYN16 - Task #4274

Task # 3669 (New): RA1a - Analysis and cataloguing of artifacts

Task # 3797 (New): Artifact catalogue

"ranou" sounds like "ranu"

09.10.2017 10:47 - Jůzová Markéta

Status:	Closed	Start date:	09.10.2017
Priority:	Normal	Due date:	
Assignee:	Skarnitzl Radek	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	RA1: Analysis of artifacts in synthetic speech		
Description			
Voice: Jan			
Description:			
Word "ranou" sounds like "ranu" in the sentence "Další ostrou ranou přinutil couvnout dozadu". The phone [y] (i.e. diphthong "ou") came from sentence oznam06615_00. Listening to the words in the source utterance, I hear [y] correctly.			

History

#1 - 09.10.2017 10:50 - Jůzová Markéta

- Parent task set to #3797

#2 - 12.10.2017 22:21 - Skarnitzl Radek

- File nou.PNG added

- File nou2.PNG added

- % Done changed from 0 to 100

I must honestly say that I hear "ranou" with the diphthong, not with a monophthongal [u] in the synthesized sentence. That is also supported by the clear formant movement, especially F2 which drops from ca. 1130 Hz at the onset to ca. 840 Hz at the offset (see the attached spectrogram of the portion [nou]).

Note: This is from the mobile version. The rev755 version is similar in the formant movement (with an even greater drop in F2 from 1220 to 840 Hz). However, the [o]-portion of the diphthong is shorter (attached file nou2), which changes the perception a bit. So we're probably dealing with relative temporal salience in this case.

#3 - 12.10.2017 22:21 - Skarnitzl Radek

- Status changed from New to Resolved

#4 - 16.10.2017 14:29 - Jůzová Markéta

- Status changed from Resolved to Closed

Files

nou.PNG	97.6 KB	12.10.2017	Skarnitzl Radek
nou2.PNG	63.1 KB	12.10.2017	Skarnitzl Radek