

HQSYN16 - Task #4241

Task # 3678 (New): RA3c - Continuity of prosodic patterns

Task # 4237 (New): Continuity of F0 pattern

Task # 4238 (Closed): Classification-based GCI detection

New acoustic features

13.09.2017 18:41 - Matoušek Jindřich

Status:	Closed	Start date:	16.10.2017
Priority:	Normal	Due date:	01.12.2017
Assignee:	Matoušek Jindřich	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	RA3: Phonetically justified parameters for speech synthesis		
Description			
<ul style="list-style-type: none">• harmonic/noise• voiced/unvoiced (V/U)• F0 contour			
Related issues:			
Follows HQSYN16 - Task #4271: Detection on 8kHz-based features		Postponed	02.10.2017 15.10.2017
Precedes HQSYN16 - Task #4242: Context size for current GCI detection		Closed	04.12.2017 04.12.2017

History

#1 - 02.10.2017 23:15 - Matoušek Jindřich

- Follows Task #4271: Detection on 8kHz-based features added

#2 - 02.10.2017 23:16 - Matoušek Jindřich

- Precedes Task #4242: Context size for current GCI detection added

#3 - 15.11.2017 18:32 - Matoušek Jindřich

- Status changed from New to Closed

New acoustic, spectral and MFCC features tried. In general, they improve prediction accuracy. The best results were obtained when using all features (the original waveform peak-based ones + acoustic, spectral, and MFCCs) in combination with a feature selection method (recursive feature elimination with cross-validation to determine an optimal number of features).