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

- 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 orginal 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).