

Prosodic Features for EOT Detection

(Gorman, Cole, Hasegawa-Johnson and Fleck, LSA 2007)

- Pause Features:
 - Silence
 - Instant-response classifiers: truncate above pauses after 80, 100, ..., 300ms, results are stable with pause duration truncated at 300ms
- Duration Features:
 - Normalized last stressed vowel duration
 - Last stressed rhyme duration
 - Last rhyme duration
- Pitch Features:
 - Minimum or median, last word or last N frames
 - F0 slope of word (continuous), or at boundary (categorical)
- Context Features:
 - Speaker gender
 - Number of words since turn beginning
 - Length of previous pause

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Classifier	Error Rate (Percent)
Chance	50
Pitch	48.7
Duration	69.6
Pause	10.2
All Features + Context	6.4
Pause+Duration+Context	6.2
Pause+Pitch+Context	5.4