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## ARTICULATORY PHONETIC PARAMETERS

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### A. Airstream Mechanism

1. pulmonic (lung air)
2. glottalic (pharynx air)
3. velaric (mouth air)

### B. Airstream Direction

1. egressive
2. ingressive

### C. Glottis State

1. closed
2. voiced
3. voiceless
4. creaky (tight, laryngealized, sharp)
5. breathy (murmured, soft)
6. whispered
7. falsette

### D. Throat State

1. tight (constricted)
2. open (expanded)

3. normal
4. backed tongue root
5. fronted tongue root
6. faucalized

E. Velum Position

1. closed (raised, oral)
2. open (lowered, nasal)
3. half-open

F. Active Articulators

1. lower lip (labio-)
2. subapical (sublingual)
3. tongue tip (apico-)
4. tongue blade (lamino-)
5. tongue center (fronto-)
6. tongue back (dorso-)
7. tongue root

G. Points of Articulation (passive)

1. upper lip (labial)
2. upper teeth (dental)
3. alveolum (teeth-ridge)
4. alveopalate (prepalate, dome)
5. palate

6. velum
7. uvula (velic)
8. pharynx wall

#### H. Mouth Stricture Type

1. nonfrictional (open approximant, semivowel, resonant)
2. fricative (spirant)
3. stop
4. percussive (trill/flap/tap)
5. high vocoid
6. mid vocoid
7. low vocoid

#### I. Articulator Shape

1. flat
2. narrow grooved
3. wide grooved
4. rounded grooved
5. retroflexed tip
6. lateral (unilateral/bilateral)

#### J. Complexity

1. simple
2. complex onset (voicing, voicelessness, nasal, glottal)
3. complex nucleus (palatalized, labialized (rounded), unrounded,

velarized, pharyngealized (backed tongue root), glottalized  
(simultaneous glottal stop), double stop)

4. complex release (aspirated, affricated, nasal, lateral)

K. Prosodies

1. length
2. pitch
3. intensity (loudness)

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