

Guide to Features

Format: feature, *acoustic and/or articulatory definition*, list of sounds having the feature value given. The feature values that is easier to define is listed first.

[+syllabic] *forms sonority peak of syllable*. y, Y, u, U, æ, ø, i, o, ø, ɜ, ɜ, i, I, ɣ, e, ε, Λ, α, a, ʊ, ʊ, ə, œ, œ, ɔ, ɒ, and all syllabic consonants (transcribed like [r])

[-syllabic]: ʌ, w, ʊ, v, ɪ, ʉ, ʉ, ʉ, j, fi, h, p̄t, b̄d, ʘ, k̄p, ḡb, ɓ, p, m, b, ɱ, p̄f, b̄v, p̄φ, b̄β, ɲ, ɟ, †, c, d̄z, t̄c, ʌ, l, !, c̄c̄, j̄j̄, t̄, ɲ, d, d̄, t, n, d, d̄z, d̄z, d̄b̄, d̄b̄, t̄f, t̄f, ts, t̄t, t̄s, t̄t, t̄s, t̄t, d̄z, d̄b̄, t̄s, d̄z, t̄s, d̄z, t̄t, d̄d̄, ʔ, ɕ, N, q, G, f, ɟ, ɟ, ɟ, k, k̄, k̄, g, g, g, ɲ, ɲ, ɲ, k̄x, k̄x̄, k̄x̄, ḡy, ḡy, ḡy, q̄x, ḠB, ʔ̄H, ʔ̄f, ʔ, ʋ, φ, v, f, β, t, ɕ, ʌ, ɕ, ɟ, z, ʌ, ʌ, ʌ, t, z, s, t, ʒ, ʒ, ʒ, s, r, l, θ, r, ɟ, ð, h, ʎ, ʎ, H, ɜ, ɜ, R, j, ʎ, ʎ, x, x̄, x̄, L, L, L

[+stress] *greater articulatory effort*: always marked with ['] diacritic before the stress syllable, as in: ['sɪləbəl]

[+long] *greater duration*: marked with [:] or doubling of symbol, as in [nip:ɔŋ] or [nipɔŋ]

[-consonantal] *sonority of glide or greater*: vowels and glides (ʌ, w, ʊ, v, ɪ, ʉ, ʉ, ʉ, j, fi, h, ɒ, œ, ɔ, o, œ, ø, ø, ɜ, u, ʊ, ʊ, y, Y, a, a, æ, ʌ, ɣ, ɜ, ə, e, ε, ʊ, i, i, I)

[+consonantal]: p̄t, b̄d, ʘ, k̄p, ḡb, ɓ, p, m, b, ɱ, p̄f, b̄v, p̄φ, b̄β, ɲ, ɟ, †, c, d̄z, t̄c, ʌ, l, !, c̄c̄, j̄j̄, t̄, ɲ, d, d̄, t, n, d, d̄z, d̄z, d̄b̄, d̄b̄, t̄f, t̄f, ts, t̄t, t̄s, t̄t, t̄s, t̄t, d̄z, d̄b̄, t̄s, d̄z, t̄s, d̄z, t̄t, d̄d̄, ʔ, ɕ, N, q, G, f, ɟ, ɟ, ɟ, k, k̄, k̄, g, g, g, ɲ, ɲ, ɲ, k̄x, k̄x̄, k̄x̄, ḡy, ḡy, ḡy, q̄x, ḠB, ʔ̄H, ʔ̄f, ʔ, ʋ, φ, v, f, β, t, ɕ, ʌ, ɕ, ɟ, z, ʌ, ʌ, ʌ, t, z, s, t, ʒ, ʒ, ʒ, s, r, l, θ, r, ɟ, ð, h, ʎ, ʎ, H, ɜ, ɜ, R, j, ʎ, ʎ, x, x̄, x̄, L, L, L

[+approximant] *sonority of liquid or greater* vowels, glide, liquids: ɒ, a, œ, a, æ, ʌ, ɔ, o, ɣ, ɜ, œ, ə, e, ø, ø, ε, ɜ, ʊ, u, ʊ, i, ʉ, y, i, Y, I, ʉ, ʉ, w, ʊ, j, ɪ, v, t, R, ʌ, L, L, B, ʌ, ʌ, ʌ, t, r, l, r, l, r

[-approximant]: ʌ, fi, h, N, ɲ, ɲ, ɲ, ɲ, n, m, ɱ, ʔ, ʎ, ʎ, ɜ, q, ɕ, G, ɕ, ʔ, j, j, c, ɕ, d̄z, t̄c, ʎ, ʎ, ʎ, x, x̄, x̄, k, k̄, k̄, g, g, g, z, t, d, t̄, z, φ, s, ʒ, ʒ, v, t, ʃ, s, p, f, d, b, θ, ɟ, ð, β, d̄z, d̄z, d̄b̄, d̄b̄, t̄f, t̄f, ts, t̄t, t̄s, t̄t, d̄z, d̄b̄, t̄s, d̄z, p̄f, b̄v, p̄φ, b̄β, t̄t, d̄d̄, c̄c̄, j̄j̄, k̄x, k̄x̄, k̄x̄, ḡy, ḡy, ḡy, q̄x, ḠB, ʔ̄H, ʔ̄f, ʔ

[+sonorant] *sonority of nasal or greater* vowels, glides, liquids, nasals: w, ʊ, v, ɪ, ʉ, ʉ, ʉ, j, ɒ, œ, ɔ, o, œ, ø, ø, ɜ, u, ʊ, ʊ, ʊ, ʉ, a, a, æ, ʌ, ɣ, ɜ, ə, e, ε, ʊ, i, i, I, m, ɱ, ɲ, ɲ, n, N, ɲ, ɲ, ɲ, B, t, ʌ, ʌ, ʌ, t, r, l, r, R, L, L, L

[-sonorant]: ʌ, fi, h, p̄t, b̄d, ʘ, k̄p, ḡb, ɓ, p, b, p̄f, b̄v, p̄φ, b̄β, ɲ, ɟ, †, c, d̄z, t̄c, ʌ, l, !, c̄c̄, j̄j̄, t̄, d, d̄, t, d, d̄z, d̄z, d̄b̄, d̄b̄, t̄f, t̄f, ts, t̄t, t̄s, t̄t, t̄s, t̄t, d̄z, d̄b̄, t̄s, d̄z, p̄f, b̄v, p̄φ, b̄β, t̄t, t̄s, t̄t, t̄s, t̄t, d̄z, d̄b̄, t̄s, d̄z, p̄f, b̄v, p̄φ, b̄β, t̄t, d̄d̄, c̄c̄, j̄j̄, k̄x, k̄x̄, k̄x̄, ḡy, ḡy, ḡy, q̄x, ḠB, ʔ̄H, ʔ̄f, ʔ, φ, v, f, β, ɕ, ɕ, ɟ, z, t, z, s, ʒ, ʒ, ʒ, s, θ, ɟ, ð, h, ʎ, ʎ, H, ɜ, ɜ, R, j, ʎ, ʎ, y, ʎ, x, x̄, x̄

[-contin-artic] *complete closure in oral cavity* stops, affricates, and nasals: p̄t, b̄d, ʘ, k̄p, ḡb, ɓ, p, m, b, ɱ, p̄f, b̄v, p̄φ, b̄β, ɲ, ɟ, †, c, d̄z, t̄c, ʌ, l, !, c̄c̄, j̄j̄, t̄, ɲ, d, d̄, t, n, d, d̄z, d̄z, d̄b̄, d̄b̄, t̄f, t̄f, ts, t̄t, t̄s, t̄t, t̄s, t̄t, d̄z, d̄b̄, t̄s, d̄z, p̄f, b̄v, p̄φ, b̄β, ʔ̄t, d̄d̄, c̄c̄, j̄j̄, k̄x, k̄x̄, k̄x̄, ḡy, ḡy, ḡy, q̄x, ḠB, ʔ̄H, ʔ̄f, ʔ

[+contin-artic] vowels, glides, liquids, fricatives: ʌ, w, ʊ, v, ɪ, ʉ, ʉ, ʉ, j, fi, h, ɒ, œ, ɔ, o, œ, ø, ø, ɜ, u, ʊ, ʊ, ʊ, ʉ, a, a, æ, ʌ, ɣ, ɜ, ə, e, ε, ʊ, i, i, I, B, φ, v, f, β, t, ɕ, ʌ, ɕ, ɟ, z, ʌ, ʌ, ʌ, t, z, s, t, ʒ, ʒ, ʒ, s, r, l, θ, r, ɟ, ð, h, ʎ, ʎ, H, ɜ, ɜ, R, j, ʎ, ʎ, y, ʎ, x, x̄, x̄, L, L, L

