

Why **you** should be interested in phonology

Hassan Khan

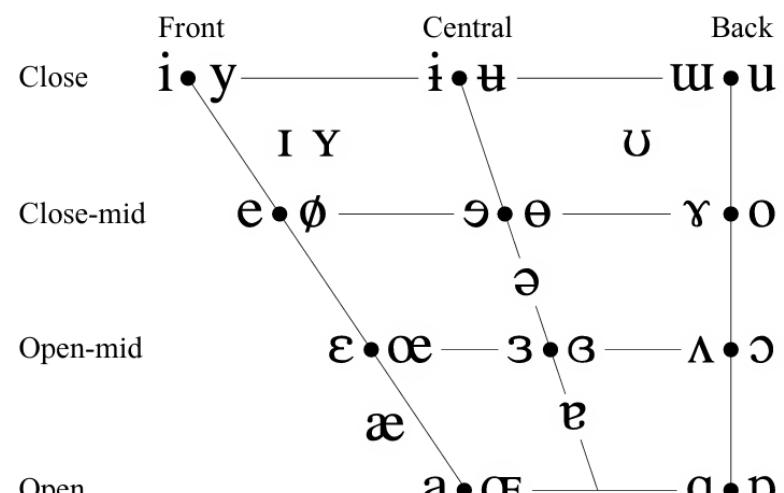
CONSONANTS (PULMONIC)

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	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b		t d		t̪ d̪	c ɟ	k g	q ɢ			?
Nasal	m	n̪	n		ɳ	ɲ	ɳ	N			
Trill	B		r					R			
Tap or Flap		v̪	f		t̪						
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ɟ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative			ɬ ɭ								
Approximant		v̪	I		ɺ ɻ	j	w̪				
Lateral approximant			l		ɺ ɻ	ʎ ɻ	L				

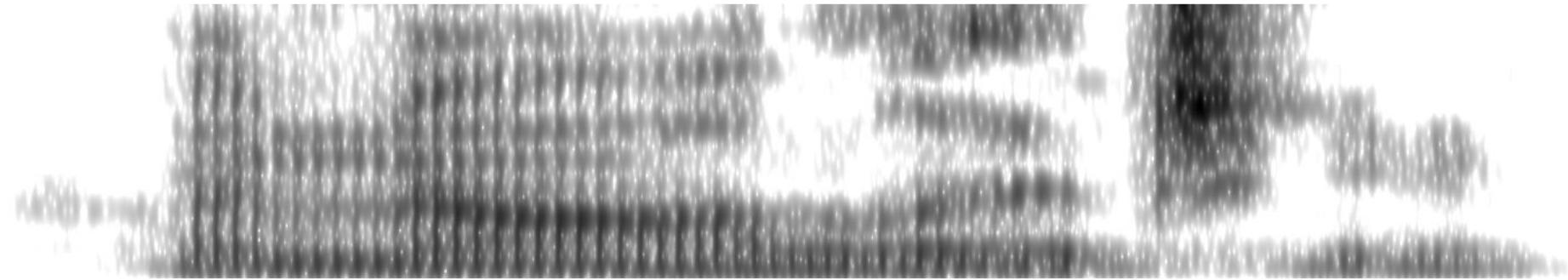
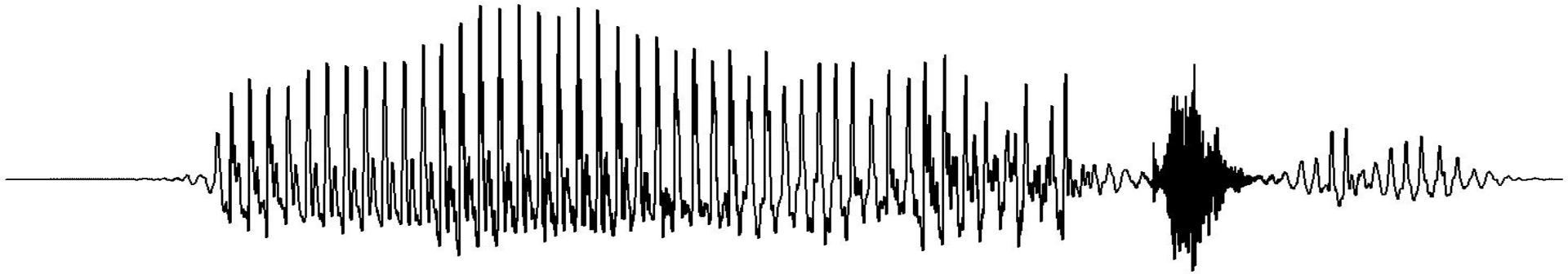
Symbols to the right in a cell are voiced, to the left are voiceless. Shaded areas denote articulations judged impossible.

VOWELS



Adapted from IPA Chart, <http://www.internationalphoneticassociation.org/content/ipa-chart>, available under a Creative Commons Attribution-Sharealike 3.0 Unported License.
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Where symbols appear in pairs, the one to the right represents a rounded vowel.



phonology

p

t

k

[LIPS]

[TONGUE_TIP]

[TONGUE_BACK]

p

t

k

[LIPS]

[TONGUE_TIP]

[TONGUE_BACK]

p

t

k

b

d

g

[LIPS]

[TONGUE_TIP]

[TONGUE_BACK]

[-voice]

p

t

k

[+ voice]

b

d

g

Underlying Representation

/'wa.təɹ/

Rules

$t \rightarrow \ell / V_{[+ \text{stress}]} - V_{[- \text{stress}]}$

$e \rightarrow \text{ɪ}e$

Surface Representation

['wa.ɹə̃]

/'bʌ.təɹ/



['bʌ.ɹə̃]



phonology

Handshape
Orientation
Location
Movement



WINDOW CL_{WE}(B)-OPEN
'A window opened.'



GRANNY WINDOW CL_{HL}(SS)-OPEN
'A granny opened the window.'

MS1



MS 2



MS 3



MS 4



MS 5



RH: LS (*dog*)

INDEX: self (*dog*)

INDEX (*bird*)

LS (*bird*)

LS (*peck*)

LH:

CA (*holding*)

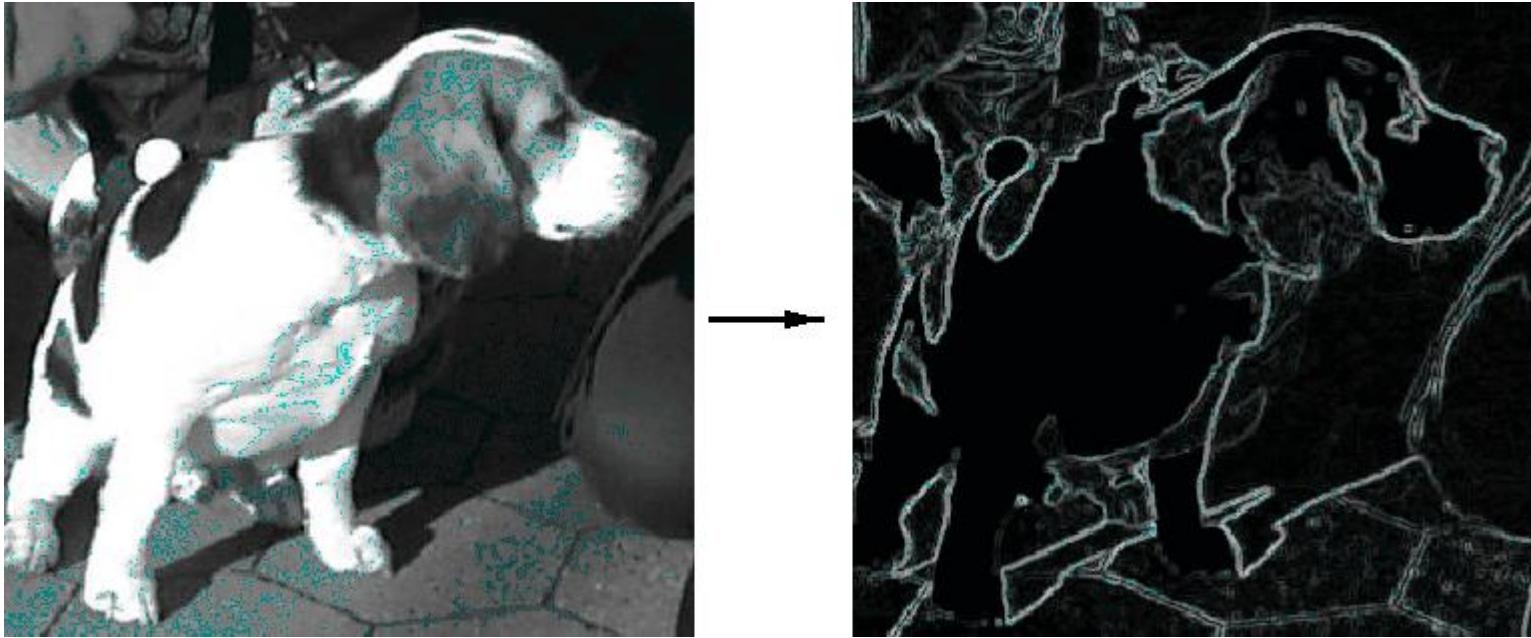
CA (*holding*)

CA (*holding*)

CA (*holding*)

Non-manuals:

(head-dog, face-bird)



phonology?

Luister en typ het woord.



tuin

de

OK

References

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