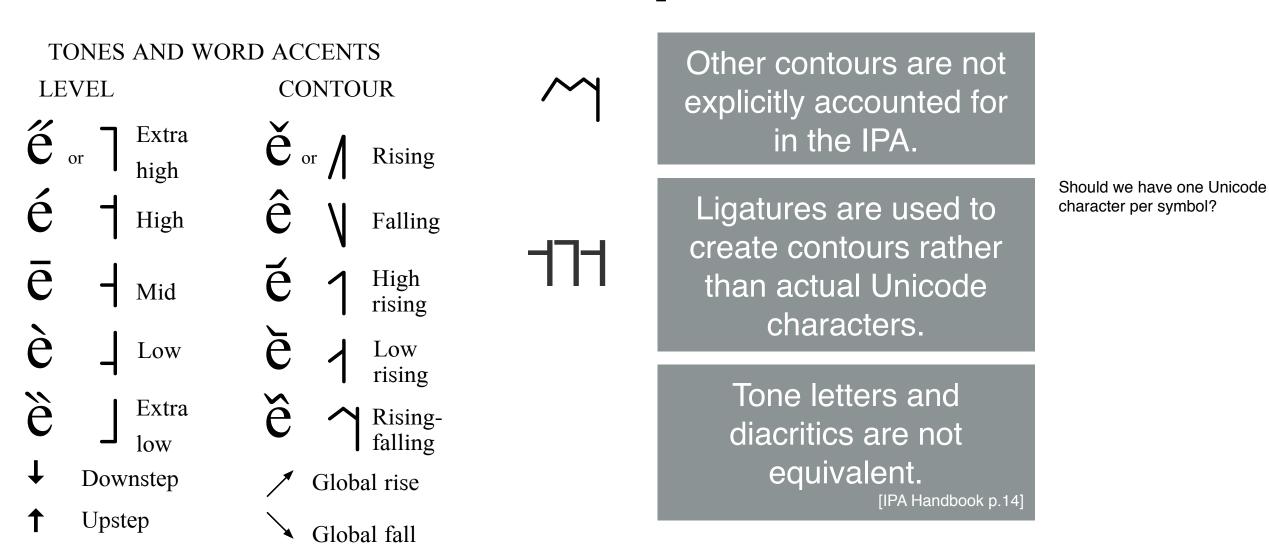


Phonetic Transcription of Tone in the IPA

Hugh Paterson III

The IPA provides five tone levels for transcription.



Pitch heights.

Do these work? are there enough?

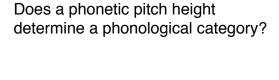
Phonological or phonetic transcription?

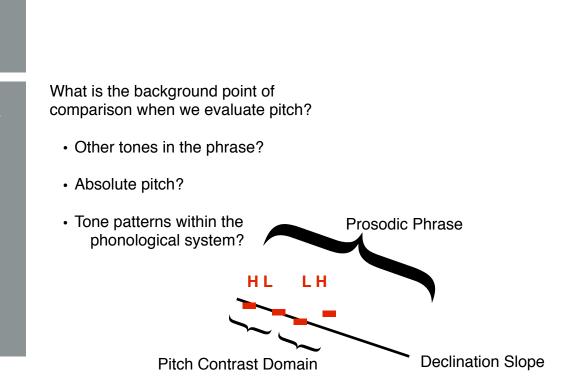
The tone letter system presumes that there are only five pitch heights within the human production spectrum.

Are tonal contrasts
contrasting with segments, or
with other pitches in the
prosodic unit?

Do these predefined categories presume phonological analysis before phonetic description can be transcribed?

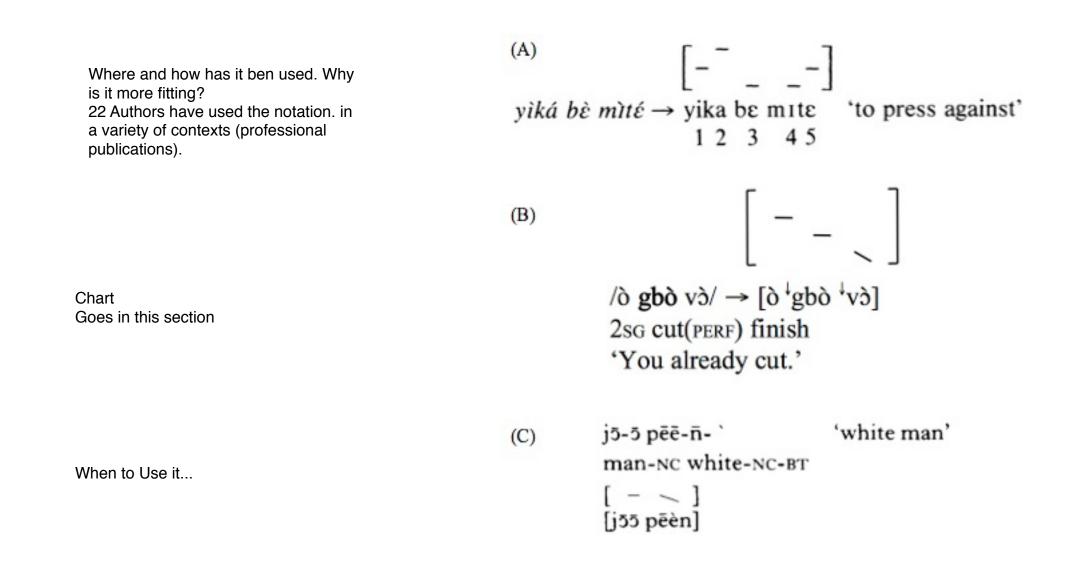
([]) or (//) can apply
to transcriptions, but
does our choice of
representative symbol
already presume an
analysis?





5

Bar notation.



Are five levels enough?

Six levels of pitch

3

Languages with six levels of *level pitch*Chori [cry]

Chori [cry] - Africa
Benč⁴ non⁴ (Gimira) [bcq] - Africa

Languages with *contours* establishing six levels of pitch
Cantonese [yue] - Asia
San Juan Quiahije Chatino [cpt] - Mexico
Itunyoso Trique [urh] - Mexico

Languages with *Upstep* or *Downstep* creating six levels of pitch

Southern Puebla Mixtec (Upstep) [mit] - Mexico Engenni (Upstep) [enn] - Africa Coatzospan Mixtec (Downstep) [cpt] - Mexico

Some languages are claimed to have six pitch levels.

Limited contours in the IPA

Languages with three or more *rising* contours

San Juan Quiahije Chatino [cpt] - Mexico

Western Highland Chatino [ctp] - Mexico

Western Highland Chatino [ctp] - Mexico
San Juan Copala Trique [trc] - Mexico

Languages with three or more falling contours

Western Highland Chatino [ctp] - Mexico Itunyoso Trique [urh] - Mexico 连云港 Lian-Yun-Gang Dialect [und] - Asia Jalapa Mazatec [maj] - Mexico

How are we to describe the pitch contours in languages with more than three contours?

Which diacritics are we to use when we need to indicate more than three pitch contours in a single direction?

The IPA diacritic system has insufficient distinctions to cover the demonstrated need for describing contours across the world's languages.

7 Interact and comment!

Read the paper! Extensive
References and citations in the
paper.

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