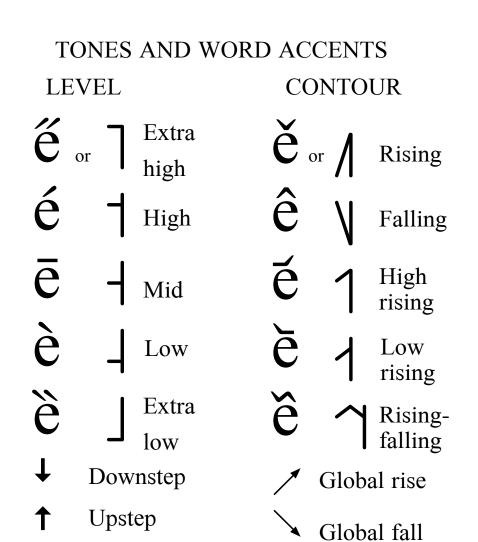


Phonetic Transcription of Tone in the IPA

Hugh Paterson III

The IPA provides five tone levels for transcription.



Other contours are not explicitly accounted for in the IPA.

> Ligatures are used to create contours rather than actual Unicode characters.

Tone letters and diacritics are not equivalent. [IPA Handbook p.14



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?

Upstep and downstep are considered to be phonological processes.

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

 $\langle [] \rangle$ or $\langle // \rangle$ can apply to transcriptions, but does our choice of representative symbol already presume an analysis?

How should we best correlates to

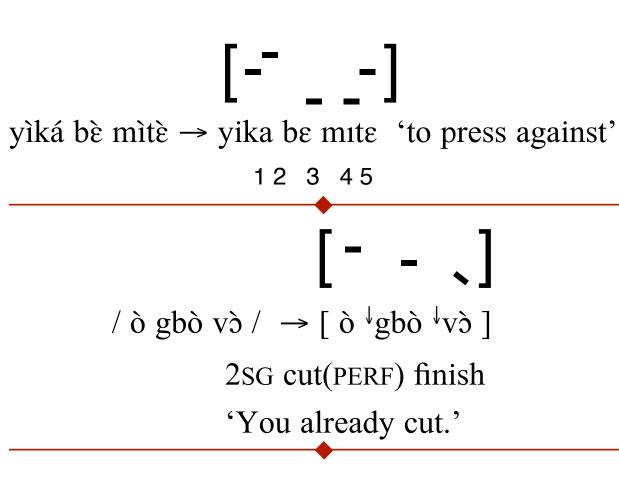
Bar notation

The bar notation allows for:

- More detailed hight options
- Is not representative of absolute acoustic space
- Is not directly attached to segments

Bar notation consists of:

- A series of dashes produced relative to the pitch height of the previous pitch unit
- Dashes may be horizontal to indicate level pitches
- Dashes may be diagonal to indicate contour pitches



jō-ō pēē-n-` 'white man' man-NC white-NC-BT

[jōō pēèn]

Iconic

pitch

+

+

contours

attachment

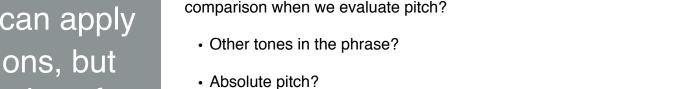
-/+

5

Conclusions

Where and how has it ben used. Why 22 Authors have used the notation. in a variety of contexts (professional

Chart Goes in this section		Phonetic pitch height
	Tone letter	-
	Diacritic	-
When to Use it	Bar notation	+



What is the background point of

· Tone patterns within the

phonological system?

Declination Slope

Does a phonetic pitch height

Pitch Contrast

determine a phonological category?

transcribe the phonetic phonological processes?

3

Pitch heights: Are five levels of enough?



Six levels of pitch

Languages with six levels of <i>level pitch</i>		
Chori	[cry] - Africa	
Benč⁴ non⁴ (Gimira)	[bcq] - Africa	

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

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

Itunyoso Trique [urh] - Mexico Languages with *Upstep* or *Downstep* creating six levels of pitch

[cpt] - Mexico

[maj] - Mexico

Limited contours in the IPA

Coatzospan Mixtec (Downstep)

Jalapa Mazatec

Languages with three or more *rising* contours San Juan Quiahije Chatino [cpt] - Mexico [ctp] - Mexico Western Highland Chatino San Juan Copala Trique [trc] - Mexico

Languages with three or more *falling* contours [ctp] - Mexico Western Highland Chatino Itunyoso Trique [urh] - Mexico 连云港 Lian-Yun-Gang Dialect [und] - Asia

the pitch contours in languages with more than three contours?

How are we to describe

The IPA diacritic system has

insufficient distinctions to cover the

demonstrated need for describing

Some languages are

claimed to have six

pitch levels.

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



Interact and comment

Read the paper!

Extensive references and citations in the version published in the conference proceedings.

Discuss on Reddit: http://redd.it/3fkgid

Email: hugh.paterson@sil.org Contact via twitter: @thejourneyler

