

# Gliding under turbidity



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# 1. The data

Glides [J] surface as the result of a recuperation strategy to hiatus due to intervocalic deletion of voiced fricatives, /v, ð, γ/ (Dodecanese) or the rhotic /r/ (Samothraki) (Tsopanakis 1940 (Ts), Méndez Dosuna 2002 (MD) a.o.).

## AIMS:

- To investigate the representation of derived glides, which emerge as the result of a hiatus resolution strategy in a group of Greek dialects.
  - To account for the stress behavior of derived glides.

# 2. Research questions

- 1| F-structure: What is the F-representation of derived glides?
  - 2| Syllable structure: Which melodic position does the newly formed glide occupy in the syllable?
  - 3| Stress: What controls the position of stress when stressed vowels turn into glides?

**The proposal:** The phonological representation of derived glides consists of three separate levels (feature, melodic and stress tier). High-ranking of markedness constraints (e.g.,  $*VC_{[+cont]}V$ ,  $*HIATUS$ ) forces certain vocalic features and stress to be realized unfaithfully on neighboring elements.

	(1) CJV sequences	a. /ayóra-s-a/	aywásá	'buy-1SG.PAST'	(Samothraki, MD 2002: 105)
High and mid vowels turn into glides	b. /krevát-i/	krjáti	'bed'	(Rhodes, Ts 1940: 58)	
c. /léy-o/	ljó	'talk-1SG'	(Rhodes, Ts 1940: 61)		
d. /akríð-a/	akrjá	'grass-hoper'	(Rhodes, Ts 1940: 63-64)		
	(2) VJ sequences				
High vowels optionally spread their backness & roundness to the neighboring vowel	a. /klaðévo/	klájvo	'prune-1SG'	(Rhodes, Ts 1940: 57)	
b. /fovéra/	fójra	'threat'	(Rhodes, Ts 1940: 61)		
c. /kávuras/	káwras & ków̥ras	'crab'	(Rhodes, Ts 1940: 52)		
d. /panáyiri/	panájri & panéjri	'festival'	(Rhodes, Ts 1940: 58)		
	(3)	a. /ta íðes/	tájðis	'you saw them'	(Sarakatsanian, Höeg 1925: 169)
		b. /su ípa/	sújpa	'I told you'	(Peloponnesian, Pantelidis 2001: 554)
	(4)	a. /súða/	(i) swá (S. Rhodes) (ii) sfá (Apolakkia)	'mammilla'	(Ts 1940: 55)
Glides arise in clitic + verb strings	b. /kopellúða/	(i) kopellúa (N. Rhodes) (ii) kopellwá (S. Rhodes) (iii) kopelvá (Apollona)	'girl'	(Ts 1940: 55)	Prediction 1 is fulfilled glide ⇒ C[LAB]
Evidence in support of J as an onset	(5)	a. /karávia/	karáv3a (Vati)	'ship-PL'	(Ts 1940: 69-71)
	b. /xoráfia/	xoráf3a (Vati)	'field-PL'	(Ts 1940: 69-71)	glide ⇒ C[COR]
	(6)	a. /karíðia/	(i) kariðja (Trianta, Salakos) (ii) kariðja (Archangelos)		(Ts 1940: 70-72)
		b. /alíθia/	(i) alíθca (Trianta, Salakos) (ii) alícca (Archangelos)	'truth'	glide ⇒ C[DOR] (Ts 1940: 70-72)
Evidence in support of J as a coda	(7)	a. /klaðévyo/	klájv.yo	'prune-1SG'	(Rhodes, Ts 1940: 57)
	b. /lavós/	láws	'bare'	(Rhodes, Ts 1940: 52)	

## **5. Derived glides and stress**

Vowels, which turn into glides, shift their stress to the vowel of the syllable they syllabify to. Thus, stress transcends the limits set by the trochaic foot – contra to Halle & Vergnaud's (1987) foot-limited stress shift pattern.

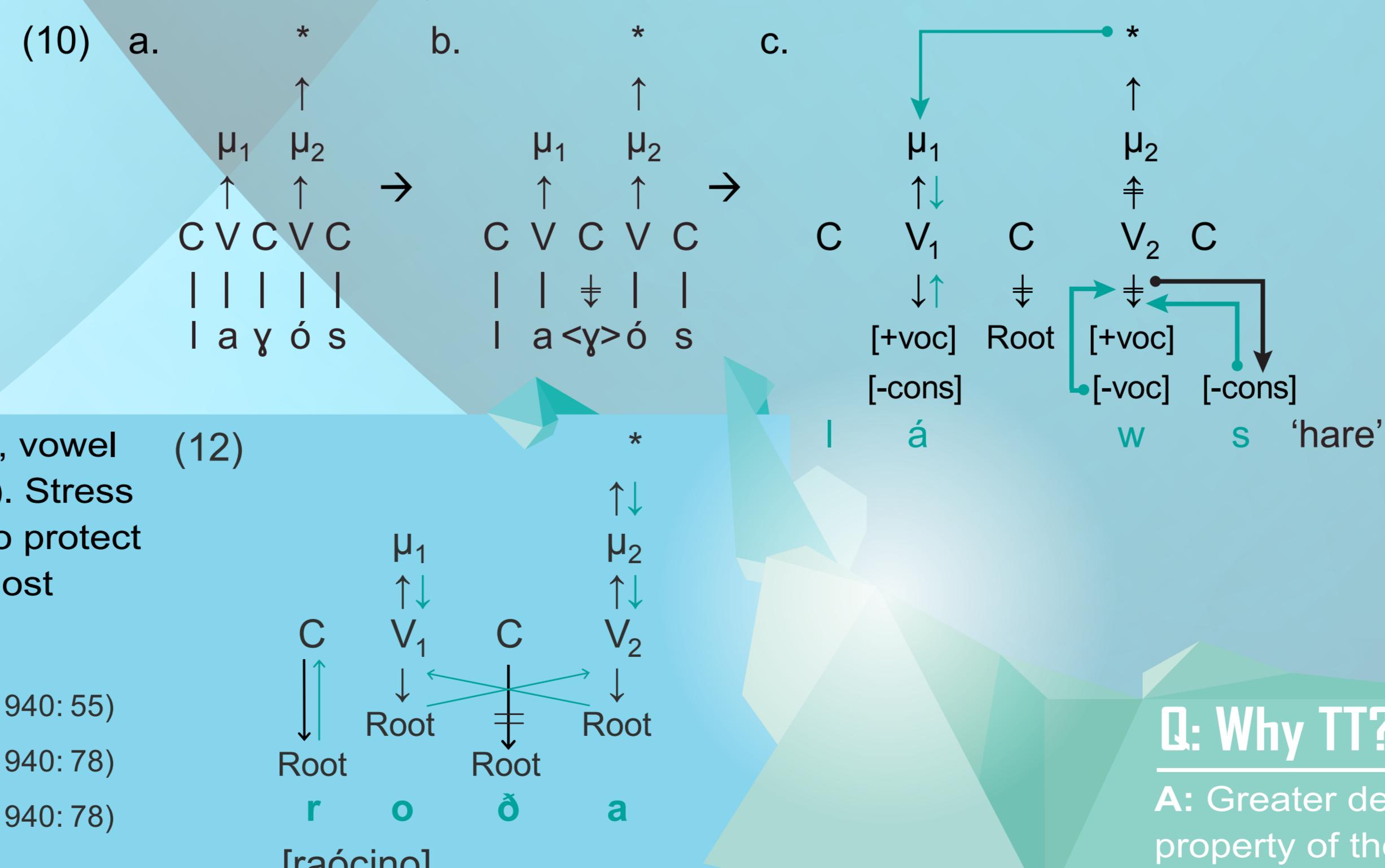
(9)                    (\* .)                    ( \* .)                    (\*)  
                   klaðévo    →    kláðJ.yo / \*klaðJ.vó

## Prediction 2 is not fulfilled

In certain varieties, after intervocalic fricative deletion, vowel metathesis takes place to yield VJ sequences (11a-b). Stress refuses to shift – at the expense of hiatus – in order to protect the less sonorous vowel of the sequence from being lost (11c):

- (11) a. /liyarj-á/ lajrjá ‘wicker’ (Ts 1940: 55)  
b. /próvat-a/ práwta ‘sheep-PL’ (Ts 1940: 78)  
c. /roðákin-o/ raócino ‘peach’ (Ts 1940: 78)  
/\*ráwcino

**Proposal:** Turbidity Theory - TT (Goldrick 1998, 2000; van Oostendorp 2006, 2008; Revithiadou 2008):



## feature tier

$V_1$ : projection and pronunciation of Fs [+voc, -cons] match

(RECIPROCITY V $\leftrightarrow$ F: ✓✓)  
V : projection and prepup

$V_2$ : projection  
only projection

only projection of [F VOC]  
(RECIPROCITY V $\leftrightarrow$ F: ✓ \*)  
melodic tier

$\mu_1$ : projection and pronunciation lines  
(RECIPROCITY  $V \leftrightarrow \mu$ : ✓ )

- $\mu_2$ : only projection, no pronunciation  
(RECIPROCITY  $V \leftrightarrow \mu_2 : *$ )
- stress tier
- $\mu_2$ : projection of lexical accent, pronunciation on  
 $\mu_1$  (RECIPROCITY  $\mu_1 \leftrightarrow \mu_2 : *$ )

# Q: Why TT?

## 6. Conclusions

- Derived glides can be realised as dorsal, coronal or labial consonants.
  - The direction of underlying stress is determined by the direction of syllabification and not by foot-bound stress shifts.
  - A mora can be protected by stress at the expense of hiatus.