

Modal anchoring in covert modals: a dichotomy between mood and aspect in Greek

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Introduction One of the puzzles in the domain of modality is the polysemy of modal verbs (e.g. *epistemic/deontic may*), Kratzer (1977, 1981). A fruitful line of research is that modal flavor is conditioned by the position of the modal operator in the clausal spine (Brennan 1993; Hackl 1998; Cinque 1999; Hacquard 2006, 2009). Hacquard (2006) suggests that modal anchoring depends on the syntactic position of the operator and she models this idea by relativizing the modal base (MB) to an event variable, which can be anchored either to the main clausal event, deriving root/dynamic modals or to the *speech-act* event deriving epistemic and deontic performative modals.

This work provides evidence from the domain of covert modality in favor of the syntactic approach to modal “polysemy”. By investigating covert modality associated with syntactic categories like *mood* and *aspect*, whose position is fixed in the clause (1), we show that there is a correlation between their syntactic position and their modal flavor. In particular, *non-indicative mood* in Greek (i.e. *imperative & subjunctive*) is associated with an epistemic MB anchored to the perspective center (PC), i.e. the speaker in matrix clauses (*epistemics & deontic performatives*) whereas *imperfective aspect* with a *circumstantial* MB anchored to the subject.

(1) [_{SAP} [_{CP} C [_{moodP} **mood**_{imp/subj} [_{TP} T <FUT> [_{AspectP} **Aspect** [_{VP} V [_{VP} V DP]]]]]]]]

Mood-modality A well-known case of *mood*-conditioned modality is imperatives and matrix subjunctives (MSs) which typically convey *permission, request, advice, wish, etc.* (Rivero & Terzi 1995; Giannakidou 2009; Portner 2007; Kaufmann 2012; Condoravdi & Lauer 2012). One of their inherent properties is *speaker endorsement*, i.e. that the speaker must endorse at least to a certain extent the prejacent, illustrated by the infelicitous continuation in (1a,b) (Kaufmann 2012; Condoravdi and Lauer 2012; Stegovec 2019).

(1) a. Fige! b. Na figis {a,b}#ala den thelo na figis.
 Leave.IMP SUBJ leave.2SG but not want.1SG SUBJ leave.2SG
 ‘Leave!’ ‘Leave’ ‘but I don’t want you to leave.’

Assuming that there is a modal operator at the level of *imp/subj*-mood, speaker anchoring receives a natural explanation under a syntactic approach to modal anchoring (see Stegovec 2019). Similarly, a *past*-marked subjunctive expresses a wish (2a) (Iatridou 2000) or an actual past imperative (2b) (Mastop 2005; Mastop 2011) about a past situation given the epistemic state of the speaker at the **utterance time** (UT).

(2) a. *I just realized my best friend was at a party that I didn’t want to go...*
 As iha pai sto parti...
 SUBJ had gone to-the party
 ‘(now) I wish I had gone to the party.’
 b. *Today we didn’t have any work to do and so my boss regretted that he didn’t give me a day-off.*
 As efevges htes telika.
 SUBJ leave.IMP.F.PAST yesterday finally
 ‘I now think it would be ok if you had left yesterday’

One might conjecture that speaker/UT-anchoring, can also be accounted under a different approach, by associating *imp/subj*-mood with directive illocutionary force (Han 2000; Portner 2007; Zanuttini, Portner and Pak 2012), but crucially we also find environments in which MSs and imperatives lack any directive force, acquiring instead an epistemic flavor (Giannakidou 2009, 2015). First, imperatives and MSs participate in a construction conveying that *the speaker considers the realization of the prejacent to be difficult* (Demirok & Oikonomou 2018):

(3) a. Ande {diavase} / {na diavasis} me tetjo thorivo..
 PRT read.IMP SUBJ read.2SG with such noise
 ‘It is very difficult to study with such noise.’

