Les périphrases verbales du persan et la typologie des périphrases

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Introduction

- Inflectional periphrasis: the use of multiple words to fill (what can be conceived as) cells in an inflectional paradigm
- The Persian situation is interesting because very different periphrastic constructions are used within a single system
 - Typologically different varieties of periphrasis can easily be compared
- Canonical typology (Corbett, 2007):
 - Identify criteria for calling a construction periphrastic
 - Use the criteria as dimensions in a typological space
- At least two important dimensions:
 - degree of syntagmatic cohesion: canonical periphrases are less cohesive than words, more cohesive than ordinary syntactic constructions.
 - paradigm integration: canonical periphrases do not fit in a paradigm of syntactic construction, but they fit in an inflectional paradigm.

Synthetic conjugation

ТАМ	POSITIVE	NEGATIVE	
indicative	mi-xar-i	ne-mi-xar-i	
present	UBD-buy.s1-2sg	NEG-UBD-buy.S1-2SG	
indicative	xarid-i	na-xarid-i	
bounded past	buy.s2-2sg	NEG-buy.S2-2SG	
indicative	mi-xarid-i	ne-mi-xarid-i	
unbounded past	UBD-buy.s2-2sg	NEG-UBD-buy.s2-2SG	
subjunctive	be-xar-i	na-xar-i	
present	IRR-buy.s1-2sg	NEG-buy.S1-2SG	
imperative	be-xar IRR-buy.s1	na-xar NEG-buy.S1	
infinitive	xarid-an buy.s2-INF	na-xarid-an NEG-buy.S2-INF	
present participle	xar-ande buy.s1-prs.ptcp	—	
perfect	xarid-e	na-xarid-e	
participle	buy.s2-prf.ptCP	NEG-buy.S2-PRF.PTCP	

Five periphrastic constructions

- Passive: perfect participle + šodan 'become' In tâblo foruxte mi-šav-ad. this painting sold UNBD-become.S1-3SG 'This painting is sold.'
- (2) 'Complex forms': perfect participle + budan 'be'
 - a. Maryam in tâblo=râ foruxte bud.
 Maryam this painting=DDO sold be.S2.3SG
 'Maryam had sold this painting.'
 - b. Maryam in tâblo=râ foruxte=ast. Maryam this painting=DDO sold=be.PRS.3SG 'Maryam has sold this painting.'
- (3) Future: xâstan 'want' + bare past stem Maryam in tâblo=râ xâh-ad foruxt. Maryam this painting=DDO want.S1-3SG sell.S2 'Maryam will sell the painting'
- (4) Progressive: dâštan 'have' + finite verb Maryam dâr-ad in tâblo=râ mi-foruš-ad. Maryam have.PRS-3SG this painting=DDO UNBD-sell.S1-3SG 'Maryam is selling the painting.'

Degree of syntagmatic cohesion

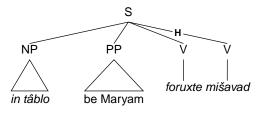
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The passive is quasi-analytic

- Inflectional prefixes are carried by the auxiliary.
- (5) In tâblo foruxte ne-mi-šav-ad.
 this painting sold NEG-UNBD-become.S1-3SG
 'This painting is not sold.'
- The relative order is flexible.
- (6) In tâblo šod robude va foruxte.
 this painting become.s2 stolen and sold
 'It is this painting which was stolen and sold'
- Adverbials can intervene between *sodan* and the participle.
- (7) In tâblo foruxte hatman šode ast. this painting sold certainly become be.s1.3sg 'This painting has certainly been sold.'
- The participle can be fronted.
- (8) Foruxte fekr mi-kon-am [tâblo ___šod].
 sold thought UNBD-do.S1-1SG painting become.S2
 'I think that if the painting is sold (...).'

The passive is quasi-analytic

• Order flexibility calls for a flat structure



- Similar to the situation of copular constructions
- (9) a. Mayam râzi az Omid=ast. Maryam satisfied of Omid=COP.3SG 'Maryam is very satisfied with Omid.'
 - Maryam az Omid râzi=ast. Maryam of Omid satisfied=COP.3SG
 - az Omid Maryam râzi=ast.
 of Omid Maryam satisfied=COP.3SG
 - d. Maryam râzi=ast az Omid. Maryam satisfied=COP.3SG of Omid

Complex forms

- Five series of forms based on the copula budan
- Only three of the series have a clear synthetic counterpart
- The copula can be a full word or a clitic

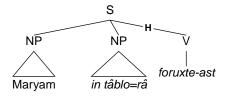
simple present	complex present
<i>mi-xar-ad</i>	xarid-e=ast
UNBD-buy.S1-3SG	buy.S2-PRF.PTCP=be.PRS.3SG
simple bounded past	complex bounded past
<i>xarid</i>	xarid-e bud
buy-S2	buy.S2-PRF.PTCP be.S2
simple subjunctive	complex subjunctive
<i>be-xar-ad</i>	xarid-e bâš-ad
IRR-buy.S1-3SG	buy.S2-PRF.PTCP be.SBJV-3SG
	complex unbd. past <i>mi-xarid-e=ast</i> UNBD-buy.S2-PRF.PTCP=be.PRS.3SG
	complex perfect xarid-e bud-e=ast buy.S2-PRF.PTCP be.S2-PRF.PTCP=be.PRST.3SG

Recently morphologized forms

- The complex present and unbounded past, historically based on a clitic copula, are no more periphrastic:
 - All prefixes precede the participle.
- (10) Sâlhâ Maryam be madrase ne-mi-rafte=ast. years Maryam to school NEG-UNBD-gone=be.PRST.3SG 'For years, Maryam went to school'
 - The participle-auxiliary sequence can not be interrupted.
- (11) *Rafte hatman=ast. left certainly=be.PRST.3SG '(S)he has certainly left.'
 - The participle can not be extracted
- (12) *Mi-rafte sâlhâ Maryam be madrase=ast. UNBD-gone years Maryam to school=be.s1.3SG
 - Morphophonological idiosyncrasies specific to these forms
- (13) a. predicative construction mord'e=ast → mord'ast corpse=be.PRST.3SG 'It is a corpse.'
 b. complex present mord'e=ast → mord'e: died=be.PRST.3SG '(S)he has died.'

Analyses for recently morphologized forms

Single word analysis



Appropriate exponents are added to the inflectional system.

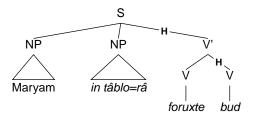
	II	I	IV	V
na-	mi-	stem-selection	-е	-am
ne-			-ande	-i
be-			an	-ad/Ø/- <mark>ast</mark>
			-е	-im
				-id
				-and

Other complex forms

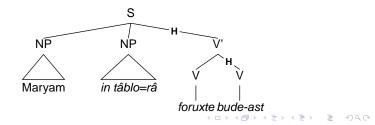
- When the auxiliary is a full word, negation attaches to the participle...
- (14) a. Na-rafte bud. b. *Rafte na-bud. NEG-gone be.PST gone NEG-be.PST '(S)he hadn't left.'
 - ... the sequence is rigidly ordered and can not be interrupted...
- (15) * Maryam Omid=râ bud dide. Maryam Omid=DDO be.s2 seen (intended) 'Maryam had seen Omid.'
- * Maryam Omid dide hatman bud Maryam Omid seen certainly be.s2 (intended) 'Maryam had certainly seen Omid.'
 - ... but participle extraction is possible
- (17) Foruxte fekr ne-mikonam [____bâš-ad tâblo=râ].
 sold thought NEG-do be.SBJV-3SG painting=DDO
 'I don't think that s/he has sold the painting.'

Analysis for other complex forms

- Forms based on the full copula are multi-word combination, but more cohesive than in the passive.
 - Verbal complex formation



• The complex perfect combines both situations.



The future: an inflectional compound?

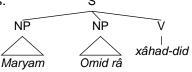
- (18) Maryam in tâblo=râ xâh-ad foruxt. Maryam this painting=DDO want.s1-3sg sell.s2 'Maryam will sell the painting.'
 - The two parts look like word parts, not true words
 - The auxiliary is is a present without *mi*-, an otherwise unattested form in contemporary Persian

- The other form is a bare stem, otherwise occurring only in impersonal constructions
- Negation occurs before the auxiliary
- (19) Maryam Omid=râ na-xâh-ad did. Maryam Omid=DDO NEG-can.S1-3SG see.S2 'Maryam will not see Omid.'
 - The order is rigid.
- (20) a. *Maryam Omid=râ did xâh-ad Maryam Omid=DDO see.s2 can.s1-3.sg

The future: an inflectional compound?

- The verb sequence be interrupted only by pronominal affixes
- (21) *Maryam Omid=râ xâh-ad hatman did. Maryam Omid=DDO can.S1-3.SG certainly see.S2
- (22) Maryam xâh-ad-aš did. Maryam want.s1-3.sg-paf.3.sg see.s2 'Maryam will see her/him.'
 - Neither verb can be fronted.
- (23) a. *Xâh-ad Maryam Omid=râ did. can.s1-3.sg Maryam Omid=DD0 see.s2
 - b. *Did Maryam Omid=râ xâh-ad. see.s2 Maryam Omid=DD0 can.s1-3.sG
 - The analysis fitting the data most closely is a compounding analysis: S

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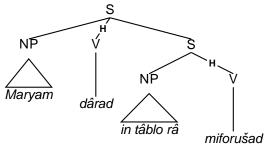


The progressive: verb + finite clause

- Combines a finite form of the verb *dâštan* 'have' with a second finite verb.
- (24) Maryam dâr-ad in tâblo=râ mi-foruš-ad. Maryam have.PRS-3SG this painting=DDO UNBD-sell.S1-3SG 'Maryam is selling the painting.'
 - Closely resembles a head-finite complement construction.
- (25) Maryam mi-dân-ad (ke) Omid in ketâb=râ be Maryam IPF-know.s1-3.sG that Omid this book=DDO to Sârâ dâd.
 Sara give.s2
 'Maryam knows that Omid gave this book to Sara.'
 - NB: subjects of finite clauses can be controlled in Persian.
- Maryam mi-xâh-ad (ke) be sinemâ be-rav-ad.
 Maryam IPF-want.S1-3.SG (that) to theatre IRR-go.S1-3.SG
 'Maryam wants to go to the movies.'

The progressive: verb + finite clause

- The progressive auxiliary takes a subjectless and completentizerless finite clause as complement
- Thus, it enters a lexically specified subset of the set of constructions open to verbs taking finite complement clauses.



'Maryam is selling this painting.'

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Interim conclusion

Degrees of analyticity

Quasi-analytic	head-complement structure, some distributional idiosyncrasies	passive, progressive
True periphrasis	limited syntactic flexibility	complex forms (nonclitic copula)
Quasi-synthetic	no syntactic flexibility two lexemes involved	future
Synthetic combination	n ordinary synthetic morphology	complex forms (clitic copula)

Paradigm integration

Dimensions of paradigm integration

- Criteria from Haspelmath (2000), Ackerman and Stump (2004) and Spencer (2006)
 - Noncompositionality: Some features of elements of the construction may be in contradiction with features of the construction as a whole.
 - Familiar example: degree in English periphrastic superlatives

[DEG pos]	[DEG comp]	[DEG super]	
smart	smarter	smartest	
intelligent	more intelligent[DEG pos]	most intelligent[DEG pos]	

- Distributed exponence: Exponence of features of the construction may be distributed on the elements of the construction.
- Familiar example: subject agreement in French auxiliated forms
 - (27) Les feuilles sont mortes.
 DEF.PL leaf(F)-PL be.PRS.3.PL die.PP-F-PL
 'The leaves are dead.'

Dimensions of paradigm integration, continued

- Intersectivity: The construction may express features that are expressed synthetically elsewhere in the paradigm.
- Familiar example: periphrastic passives in the perfect in Latin

	[VOICE active]	[VOICE passive]
[PERFECT -]	amo	amor
[PERFECT +]	amavi	amatus sum

- Underexhaustivity: The head of the construction may lack certain forms that other lexemes in the same category have.
- Familiar example: French periphrastic future
 - (28) a. Paul va partir. Paul go.PRS.3SG leave.INF 'Paul is about to leave.'
 - b. *Paul a décidé d' aller
 Paul have.PRS.3SG decide.PPL DE go.textscinf
 partir.
 leave.INF

The passive

- Noncompositionality yes: the participle expresses [PERFECT +], but the construction does not. Note that in contrast to what happens in many languages, there is no motivation for a passive participle.
- (29) a. Maryam tâblo=râ xarid-e va be Omid dâd. Maryam painting=DDO buy.s2-PRP and to Omid give.s2 'Having bought the painting, Maryam gave it to Omid.'
 - Distributed exponence no: all morphosyntactic features are expressed on the auxiliary.
 - Intersectivity no: voice is not expressed anywhere in the synthetic inflectional system.
 - Underexhaustivity no: the passive auxiliary has a full inflectional paradigm.

Complex forms, 1 of 4

- Forms with a full word copula express [PERFECT +]:
- The complex bounded past is the perfect form of the past
- (30) Qabl az inke Omid be-res-ad, Maryam birun before from that Omid SBJV-arrive.S1-3SG Maryam out rafte bud.
 gone be.S2
 'Maryam had left (before Omid arrived).'
- The complex subjunctive is the perfect subjunctive
- (31) a. Fekr mi-kon-am Maryam mariz bâšad. thought UNBD-do.S1-1SG Maryam sick be.SBJV 'I think Maryam is sick.'
 - b. Fekr mi-kon-am Maryam mariz bude bašad. thought UNBD-do.S1-1SG Maryam sick been be.SBJV 'I think Maryam has been sick.'

Complex forms, 2 of 4

- The complex unbounded past has an evidential value (Windfuhr, 1982; Lazard, 1985; Jahani, 2000)
 - Refers to an unbounded past event
 - Signals that the speaker only has indirect evidence for what he or she is asserting
- (32) a. (Banâ bar gofte-ye Omid) Maryam dar sâl-e 1950 in According to-Ez Omid Maryam in year-Ez 1950 this xâne-râ mi-sâxte=ast. house-DDO UNBD-built=be.S1.3SG
 'According to Omid, Maryam would have been building this house in 1950.'
 - Maryam dar sâl-e 1950 in xâne-râ mi-sâxt.
 Maryam in year-EZ 1950 this house-DDO UNBD-built Maryam was building this house in 1950.'

Complex forms, 3 of 4

- The complex perfect is both perfect and evidential
- (33) (Az qarâr), qabl az inke Omid be-res-ad, apparently before from that Omid SBJV-arrive.S1-3SG, Maryam birun rafte bude ast Maryam out gone been be.S1.3SG 'Apparently, Maryam had left before Omid arrived.'
 - The complex present is either (present) perfect or (bounded past) evidential.
- (34) Maryam tâze reside=ast.
 Maryam new arrived=be.s1.3sg
 'Maryam has just arrived.'
- (35) (Banâ bar gofte-ye Omid) Maryam in xâne-râ dar According to-EZ Omid) Maryam this house-DDO in sâl-e 1950 xaride=ast. year-EZ 1950 bought=be.s1.3SG
 'According to Omid, Maryam bought this house in 1950.'

Complex forms, 4 of 4

		PA		
	PRESENT	DIR. EV.	IND. EV.	SUBJUNCTIVE
BOUNDED	***	bounded past	→ complex present	simple
UNBOUNDED	simple present	unbounded past	cpl. unbd. past	subjunctive
PERFECT	complex present	complex bnd. past	complex perfect	complex subjunctive

- Since PERFECT is sometimes expressed synthetically, the last row must be part of the inflectional system.
- The truly periphrastic complex forms are intersective

Classifying periphrastic complex forms

- Noncompositionality no: the participle expresses [PERFECT +] even in isolation; TAM features of the auxiliary are interpreted transparently.
- Distributed exponence yes: the participle expresses perfect and polarity, the auxliiary expresses agreement and the rest of TAM.
- Intersectivity yes: see previous slides.
- Underexhaustivity yes: the truly periphrastic complex present is missing.
- NB A truly periphrastic complex present would be like the complex present but either with a full word form of the copula, or with an extractable participle. None is possible.
 - (36) * Maryam in tâblo=râ foruxte hast. Maryam this painting=DDO sold be.PRS.3SG (intended) 'Maryam has sold this painting.'

The future

(37) Future: xâstan 'want' + bare past stem

Maryam in tâblo=râ xâh-ad foruxt. Maryam this painting=DDO want.S1-3SG sell.S2

'Maryam will sell the painting'

- Noncompositionality no: the forms realize no morphosyntactic feature except for subject agreement, so there is nothing to loose.
- Distributed exponence no: all inflection is on the auxiliary.
- Intersectivity no: future is never expressed in another way.
- Underexhaustivity yes: the future auxiliary does not even have a single form that corresponds to a normal paradigm cell.

The progressive

- Only three TAM combinations: indicative present, unbounded past, complex unbounded past.
- Both verbs agree with the subject in person and number.
 - (38) a. Dâr-am in tâblo=râ mi-foruš-am. have.PRS-1SG this painting=DDO UNBD-sell.S1-1SG 'I am selling the painting.'
 - b. *Dâr-am in tâblo=râ mi-foruš-ad. have.PRS-1SG this painting=DDO UNBD-sell.S1-3SG
- Analysis:
 - The progressive auxiliary identifies its morphosyntactic features with those of its complement.
 - Because of the progressive meaning, only unbounded aspect forms are possible.

The progressive: unclassifiable

- Noncompositionality ???: some exponents are redundant but all express a feature of the construction.
- Distributed exponence ???: not really ; rather, cumulative exponence.
- Intersectivity ???: undecidable on straightforward empirical grounds (depends on whether one wants to call progressive a morphosyntactic feature).
- Underexhaustivity yes: the auxiliary is defective, though arguably this defection is a consequence of its semantics.

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Conclusions

construction	noncomp.	dist. exp.	intersect.	underexh.
passive	+	_	_	—
perfect	—	+	+	+
future	—	_	_	+
progressive	?	?	?	+

- No simple correlation between syntagmatic and paradigmatic aspects of periphrasis
- No hope of a single, general approach to periphrasis
 - The notion of periphrasis corresponds to a typological space rather than a construction type.
 - See Bonami and Samvelian (2009)'s formal approach: 4 different analyses for the 4 different constructions.
- Some criteria are not applicable in the general case: should be rethought

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