Импликатура

Формальная и экспериментальная прагматика

Даша Попова

"So here is the miracle: from a merest, sketchiest squiggle of lines, you and I converge to find adumbration of a coherent scene [...]. The problem of utterance interpretation is not dissimilar to this visual miracle. An utterance is not, as it were, a veridical model or 'snapshot' of the scene it describes [...]." (Levinson's (2000) Presumptive Meanings)



социального опыта, обогащение может приводить к разным результатам

Прагматическое обогащение значения – результат базовых принципов

Принципы одинаковы, но, в зависимости от лингвистического, культурного,

получить то, что подразумевал говорящий

рациональности

Прагматика – наука о том, как мы обогащаем то, что слышим и читаем, чтобы

There was a time when philosophy of language was concerned less with language and its use than with meanings and propositions. [. . .] It is no exaggeration to say that such philosophers as Frege, Russell, and the early Wittgenstein paid only lip service to natural languages, for they were more interested in deep and still daunting problems about representation, which they hoped to solve by studying the properties of ideal ("logically perfect") languages, where forms of sentences mirror the forms of what sentences symbolize. [. . .] Austin and the later Wittgenstein changed all that. [. . .] [T]he Wittgenstein of the Philosophical Investigations, rebelling against his former self, came to think of language not primarily as a system of representation but as a vehicle for all sorts of social activity. "Don't ask for the meaning, ask for the use," he advised.

Максимы Грайса – основа прагматической теории. Они не являются научными обобщениями или законами в строгом смысле. Если вы нарушаете максиму, вы не фальсифицируете ее. Вы создаете интересные последствия.

Принцип кооперации

Твой коммуникативный вклад на данном шаге диалога должен быть таким, какого требует совместно принятая цель (направление) этого диалога.

Cooperative Principle

Make your conversational contribution such as is required, at the stage at which it occurs, by the accepted purpose or direction of the talk exchange in which you are engaged.

В каких ситуациях принцип кооперативности нарушается?

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В каких ситуациях принцип кооперативности нарушается?

- -- при даче показаний на допросе
- -- когда преподаватель отвечает на вопросы студента по контрольному заданию

Максима (максимы) качества

- а. Не говори того, что ты считаешь ложным
- b. Не говори того, для чего у тебя нет достаточных оснований

Maxims of Quality

Try to make your contribution one that is true.

- a. Do not say what you believe to be false.
- b. Do not say that for which you lack adequate evidence.

Максима (максимы) количества

- а. Твое высказывание должно содержать не меньше информации, чем требуется (для выполнения текущих целей диалога)
- b. Твое высказывание не должно содержать больше информации, чем требуется

Maxims of Quantity

- a. Make your contribution as informative as is required (for the current purposes of the exchange).
- b. Do not make your contribution more informative than is required.

Максима релевантности

Не отклоняйся от темы

Maxim of Relation

Be relevant

Максима способа

- а. Избегай непонятных выражений
- b. Избегай неоднозначности
- с. Будь краток (избегай ненужного многословия)
- d. Будь аккуратен (систематичен)

Maxims of Manner

Be perspicuous:

- a. Avoid obscurity of expression.
- b. Avoid ambiguity.
- c. Be brief (avoid unnecessary prolixity).
- d. Be orderly.

Мы не всегда соблюдаем все эти требования, иногда по желанию, а иногда по необходимости.

Грайс обозначил три варианта несоблюдения:

- i. Могут возникать противоречия (clash) между максимами.
- іі. Мы можем решить не соблюдать (opt-out of) одну или несколько максим.
- ііі. Мы можем демонстративно нарушить (flout, "blatantly fail to fulfill") одну или несколько максим.

Качество

- фундаментальная максима
- важна не только правдивость, но и доказательства
- когда сталкивается с другими максимами, обычно выигрывает
- возможны сценарии несоблюдения предположим, что...
- демонстративные нарушения (?):
- (1) Да, а я Иван Фёдорович Крузенштерн!
- (2) Эта пара длилась целую вечность.
- (3) Он молоток!
- (4) Просто чудесно! (сарказм)
- (5) Ты Нобелевский лауреат, в твоих мечтах!

Максима (максимы) количества

- а. Твое высказывание должно содержать не меньше информации, чем требуется (для выполнения текущих целей диалога)
- b. Твое высказывание не должно содержать больше информации, чем требуется
- тонкий баланс между а и b
- b пересекается с релевантностью
- информативность не зависит от длины сообщения, длина регулируется максимой способа
- столкновение количества и качества
- столкновение количества и вежливости
- сценарий несоблюдения: без комментариев, были допущены ошибки
- сценарии нарушения: по Грайсу, тавтологии, например, Boys will be boys.

Максима релевантности

- релевантность чему?
- обсуждаемому вопросу (Ginzburg 1996; Roberts 1996; Beaver & Clark 2008)
- фундаментальное требование: даже если вы не соблюдаете его, слушающий будет думать, что вы его соблюдаете, будет пытаться притянуть то, что вы говорите к обсуждаемому вопросу
- пересекается с количеством

Максима релевантности

– конфликт релевантности и качества:

Source: The detective show Monk, 'Mr. Monk goes to the Carnival'

Context: The subject is whether Mr. Monk, who earlier had a nervous breakdown, is ready to be put back on the police force. Stottlemeyer is Monk's friend and former captain.

Commission member Is Mr. Monk ready to be put back on the force?

Stottlemeyer Mr. Monk has excellent instincts.

Commission member Yes, but is he ready to be reinstated?

Stottlemeyer He is an excellent investigator.

Commission member Captain, please. . .

Максима релевантности

- сценарий несоблюдения максимы:

А: Как собрать этот комод?

В: Очень осторожно.

- сценарий нарушения релевантности:

"Suppose that A and B are talking about a mutual friend, C, who is now working in a bank. A asks B how C is getting on in his job, and B replies, Oh quite well, I think; he likes his colleagues, and he hasn't been to prison yet." (from 'Logic and conversation')

Максима способа

- противоречия между подмаксимами: короткие сообщения часто неоднозначны (a clash between "Be brief" and "Avoid ambiguity"):
- a. I got into bed and brushed my teeth.
- b. I brushed my teeth and got into bed.
- c. I got into bed and brushed my teeth but not in that order!
- d. I took pragmatics and I took syntax.
- e. Germany is in Europe and Canada is in North America.
- Levinson: Normal events are reported with normal language. Unusual events are reported with unusual language.
- нарушение максимы: A newspaper review of a newly opened play says that, in the third act, "Soap opera star Rachel Singer produced a series of sounds corresponding closely to the score of an aria from Rigoletto."

Максима вежливости

- Lakoff 1973; Brown & Levinson 1987, 1978; Watts 2003
- очень мощное требование: для некоторых людей или культур, в некоторых ситуациях, может быть важнее всех остальных максим

Речевая (конверсациональная) импликатура

Импликатура

прагматический компонент высказывания, который отсылает к тому, что подразумевается в высказывании, но не выражен явно и не является логическим следствием.

По Грайсу:

"Он [говорящий] сказал, что р; нет оснований считать, что он не соблюдает постулаты или по крайней мере принцип кооперации; он не мог сказать р, если бы он не считал, что q; он знает (и знает, что я знаю, что он знает), что я могу понять необходимость предположения о том, что он думает, что q; он хочет, чтобы я думал или хотя бы готов позволить мне думать что q: итак, он имплицировал, что q"

Речевая (конверсациональная) импликатура

I am now in a position to characterize the notion of conversational implicature. A man who, by (in, when) saying (or making as if to say) that p has implicated that q, may be said to have conversationally implicated that q, PROVIDED THAT (1) he is to be presumed to be observing the conversational maxims, or at least the cooperative principle; (2) the supposition that he is aware that, or thinks that, q is required in order to make his saying or making as if to say p (or doing so in THOSE terms) consistent with this presumption; and (3) the speaker thinks (and would expect the hearer to think that the speaker thinks) that it is within the competence of the hearer to work out, or grasp intuitively, that the supposition mentioned in (2) IS required. (Grice 1975:49–50)

Речевая (конверсациональная) импликатура

Definition 1 (Adapted from Hirschberg 1985:§2). Proposition q is a conversational implicature of utterance U by agent A in context C if, and only if:

- i. A believes that it is mutual, public knowledge of all the discourse participants in C that A is obeying the cooperative principle.
- ii. A believes that, to maintain (i) given U, the hearer will assume that A believes q.
- iii. A believes that it is mutual, public knowledge of all the discourse participants that (ii) holds.

Речевая импликатура: вычислимость

Kyle to Ellen: "I have \$9."

Conversational implicature: Kyle does not > \$9.

Речевая импликатура: вычислимость (количество)

Kyle to Ellen: "I have \$9."

Conversational implicature: Kyle does not > \$9.

- a. Contextual premise: Both Kyle and Ellen need \$10 for their movie tickets.
- b. Contextual premise: It is mutual, public information that Kyle has complete knowledge of how much money he has on him.
- c. Assume Kyle is cooperative at least insofar as he is obeying Quantity and Quality.
- d. Then he will assert what is maximally relevant, informative, and true.
- e. By (a), the proposition p that Kyle has n <= 10 is more informative and relevant in this context than the proposition that he has 9.
- f. Therefore, Kyle must lack sufficient evidence to assert p.
- g. By (b), he must lack evidence for p because it is false.

Once we have calculated the implicature and agreed that it was intended, then we can also conclude that Kyle doesn't have \$11, \$12, etc. These are unlikely to be conversational implicatures, though, since they are not relevant in our context.

Речевая импликатура: вычислимость

A: Which city does Barbara live in?

B: She lives in Russia.

Conversational implicature: B does not know which city Barbara lives in.

Речевая импликатура: вычислимость (релевантность)

A: Which city does Barbara live in?

B: She lives in Russia.

Conversational implicature: B does not know which city Barbara lives in.

- a. Contextual premise: B is forthcoming about Barbara's personal life.
- b. Assume B is cooperative.
- c. Assume, towards a contradiction, that B does know which city Barbara lives in (the negation of the implicature).
- d. Supplying the city's name would do better on Relevance and Quantity than supplying just the country name.
- e. The contextual assumption is that B will supply such information.
- f. This contradicts the cooperativity assumption (b).
- g. We can therefore conclude that the implicature is true.

- Cancellation (отменяемость): encoding semantically the negation of the target meaning. If the result seems consistent, then the target meaning is likely an implicature.
- Suspension (подвешенность?): encoding semantically a lack of knowledge about the truth of the target meaning or its negation. If the result seems consistent, then the target meaning is likely an implicature.
- Reinforcement (усиление): encoding semantically the target meaning itself. If the result seems non-redundant, then the target meaning is likely an implicature.

Example: The play was good.

- a. Target meaning: the play was not excellent
- b. Cancellation: The play was good in fact, it was excellent.
- c. Suspension: The play was good, maybe even excellent.
- d. Reinforcement: The play was good, but not excellent.

Example: Some of the puppies escaped.

- a. Target meaning: not all of the puppies escaped
- b. Cancellation: Some in fact all! of the puppies escaped. ("not not all")
- c. Suspension: Some, maybe even all, of the puppies escaped.
- d. Reinforcement: Some, but not all, of the puppies escaped.

Example: Sue got into bed, then brushed her teeth.

- a. Target meaning: getting into bed happened before teeth brushing
- b. Cancellation: ??Sue got into bed, then brushed her teeth but not in that order.
- c. Suspension: ??Sue got into bed, then brushed her teeth possibly in that order.
- d. Reinforcement: ??Sue got into bed, then brushed her teeth in that order.

Example: Еда была съедобной.

a. Target meaning: еда не была вкусной

b. Cancellation:

c. Suspension:

d. Reinforcement:

Example: Алина раньше играла в хоккей.

- a. Target meaning: Алина сейчас не играет в хоккей
- b. Cancellation:
- c. Suspension:
- d. Reinforcement:

Example: Катя не смогла победить в забеге.

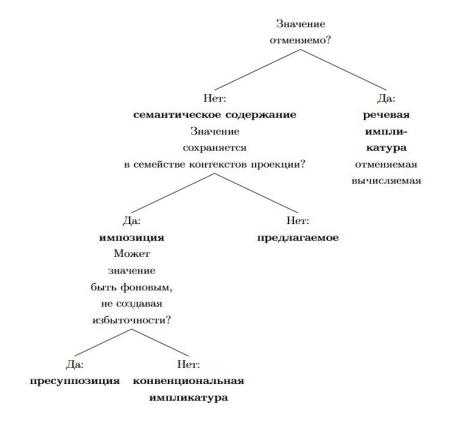
- a. Target meaning: Катя не победила в забеге
- b. Cancellation:
- c. Suspension:
- d. Reinforcement:

Example: Даша хотела бы уметь жонглировать

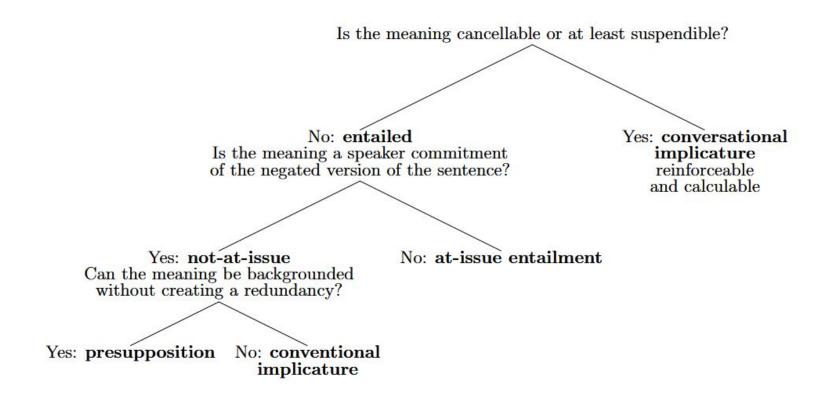
- a. Target meaning: Даша не умеет жонглировать
- b. Cancellation:
- c. Suspension:
- d. Reinforcement:

- вычислимость (calculation) на основе максим
- относительность (indeterminacy): Hirschberg (1985:24) writes, "a conversational implicatum is often a disjunction of several possible interpretations of an utterance and is often indeterminate"
- неконвенциональность (nonconventionality): the inferences should derive, not (solely) from lexical or constructional idiosyncrasies, but rather from pragmatic interactions

Типология значений



Типология значений



(1) Some skiers wore dresses.

Meaning of interest: not all skiers wore dresses.

- a. Some, in fact all, skiers wore dresses. (cancellable → Conversational implicature)
- (2) Vanja managed to finish the exam.

Meaning of interest: Vanja finished the exam

- a. # Vanja managed to finish the exam, but he didn't finish it. (not cancellable → Entailed)
- b. Vanja didn't manage to finish the exam. (not a speaker commitment of the negated version → At-issue)

(3) Sandy stopped smoking.

Meaning of interest: Sandy smoked in the past

- a. # Sandy stopped smoking in fact, she never smoked. (not cancellable → Entailed)
- b. Sandy didn't stop smoking. (speaker commitment of the negated version → Not at-issue)
- c. Sandy smoked in the past, but she stopped smoking. (can be backgrounded → Presupposition)

(4) Bart met Natasha, who is a linguist.

Meaning of interest: Natasha is a linguist

- a. # Bart met Natasha, who is a linguist, but Natasha is not a linguist. (not cancellable → Entailed)
- b. Bart didn't meet Natasha, who is a linguist. (speaker commitment of the negated version → Not at-issue)
- c. # Natasha is a linguist and Vitalij is a philosopher. Bart met Natasha, who is a linguist.

(redundant when backgrounded → Conventional implicature)

Универсальность

- универсально ли деление на пресуппозиции, импликатуры, следствия...?
- универсальны ли триггеры?
- универсальны ли максимы Грайса?
- универсальны ли свойства, проективность, отменяемость...?
- универсальны ли совокупности свойств, соответствующие лейблам?

	PROPERTIES OF CONTENTS					
		STRONG	OBLIGATORY LOCAL EFFECT			
CLASSES	PROJECTION	CONTEXTUAL FELICITY				
A	yes	yes	yes			
В	yes	no	no			
C	yes	no	yes			
D	yes	yes	no			

TABLE 1. Four classes of projective content in English and Paraguayan Guaraní.

- (10) m-POSITIVE AND m-NEUTRAL CONTEXTS: An m-positive context is an utterance context that entails or implies m. An m-neutral context is an utterance context that entails or implies neither m nor $\neg m$.
- (11) STRONG CONTEXTUAL FELICITY CONSTRAINT: If utterance of trigger t of projective content m is acceptable only in an m-positive context, then t imposes a strong contextual felicity constraint with respect to m.
- (12) DIAGNOSTIC FOR STRONG CONTEXTUAL FELICITY: Let S be an atomic sentence that contains trigger t of projective content m.
 - If uttering S is acceptable in an m-neutral context, then trigger t does not impose a strong contextual felicity constraint with respect to m.
 - (ii) If uttering S is unacceptable in an m-neutral context and acceptable in a minimally different m-positive context, then trigger t imposes a strong contextual felicity constraint with respect to m.

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- (13) [Context: Julia and Maria work in a bakery; their boss, who is generally strict but fair, is called Marko. One day, he calls Julia into his office; when she emerges, she says to Maria:]

Pe **aña memby** Márko ko'ãga oi-pota a-mba'apo iñ-hermáno that devil child Marko now A3-want A1sg-work B3-brother karnisería-pe.

butcher.shop-in

'That bastard Marko now wants me to work in his brother's butcher shop.'

- (10) m-POSITIVE AND m-NEUTRAL CONTEXTS: An m-positive context is an utterance context that entails or implies m. An m-neutral context is an utterance context that entails or implies neither m nor $\neg m$.
- (11) STRONG CONTEXTUAL FELICITY CONSTRAINT: If utterance of trigger t of projective content m is acceptable only in an m-positive context, then t imposes a strong contextual felicity constraint with respect to m.
- (17) a. [Context: Malena is eating her lunch, a hamburger, on the bus going into town. A woman who she doesn't know sits down next to her and says:] #Ñande-chofeur o-karu empanáda avei.
 Alpl.incl-driver A3-eat empanada too #'Our bus driver is eating empanadas, too.'
- (17) b. [Context: Same as in 17a, except that Malena is eating empanadas.]

- (40) OBLIGATORY LOCAL EFFECT: A projective content *m* with trigger *t* has obligatory local effect if and only if, when *t* is syntactically embedded in the complement of a belief-predicate *B*, *m* necessarily is part of the content that is targeted by, and within the scope of, *B*.
- (39) a. #Jane believes that Bill has **stopped smoking** and that he has never been a smoker.
 - b. Jane believes that Bill, who is Sue's cousin, is Sue's brother.
- (49) [Context: Sabine is from Germany and knows the politicians there very well Angela Merkel, the chancellor of Germany, is currently visiting farmers in Paraguay, among them Juan. Sabine says:]²⁵ Juan oi-mo'ã Angéla Mérkel, Alemánia mburuvicha, ha'e-ha

Juan A3-think Angela Merkel Germany boss PRON.S.3-NOM

Argentína mburuvicha.

Argentina boss

'Juan thinks that Angela Merkel, the German chancellor, is the Argentinian president'

			STRONG CONTEXTUAL	OBLIGATORY LOCAL	SECTION OF
LANGHAGE	TRIGGER/CONTENT	PROJECTION	FELICITY	EFFECT	CLASS
E	Pronoun/existence of referent	yes	yes	yes	A
L	too/existence of alternative	yes	yes	yes	74
G	ha'e '3rd'/existence of referent	yes	yes	yes	
G.	avei 'too'/existence of alternative	yes	yes	yes	
E	Expressive	yes	no	no	В
	Appositive	yes	no	no	
	NRRC	yes	no	no	
	that N/property attribution	yes	no	no	
	Possessive NP/possessive relation	yes	no	no	
G	Expressive	yes	no	no	
	Appositive	yes	no	no	
	NRRC	yes	no	no	
	Possessive NP/possessive relation	yes	no	no	
	ha'e '3rd'/human referent	yes	no	no	
	Demonstrative NP/property attribution	yes	no	no	
E	almost/polar implication	yes	no	yes	C
	know/content of complement	yes	no	yes	
	only/prejacent implication	yes	no	yes	
	stop/prestate holds	yes	no	yes	
G	aimete 'almost'/polar implication	yes	no	yes	
	(oi)kuaa 'know'/content of complement	yes	no	yes	
	-nte 'only'/prejacent implication	yes	no	yes	
	n(d)(a)vé-i-ma 'not anymore'/prestate holds	yes	no	yes	
E	too/salience of established alternative	yes	yes	no	D
	Focus/salience of alternatives	yes	yes	no	
	that N/speaker indicates suitable entity	yes	yes	no	
G	avei 'too'/salience of established alternative	yes	yes	no	
	Demonstrative NP/speaker indicates suitable entity	yes	yes	no	
	TABLE 2. Properties of some projective content	s in English a	nd Paraguayan	Guaraní.	



- (45) All languages have presuppositions.
- (46) All languages allow their speakers to express aspects of meaning which
 - a. are not asserted, but somehow taken for granted,
 - b. impose some constraints on when an utterance is felicitous, and
 - project through certain entailment-canceling operators.

- неуниверсальность триггеров (в лиллуэте нет пресуппозициональных определенных артиклей)
- соответствующие триггеры не обязательно ассоциированы с пресуппозицией
 - (54) Context (social, not an elicitation context): B has just walked into A's house and there has been no prior conversation apart from greetings.
 - A: wá7-lhkacw ha xát'-min' ku hu7 ku tih IMPF-2SG.SUBJ YNQ want-APPL DET more DET tea 'Would you like some more tea?'
 - B: iy 'Yes.'

- неуниверсальность триггеров (в лиллуэте нет пресуппозициональных определенных артиклей)
- соответствующие триггеры не обязательно ассоциированы с пресуппозицией

- (55) Context: Interlocutors all know that Henry is not a millionaire.
 - A: t'cum múta7 k Henry l-ta lottery-ha win(INTR) again DET Henry in-DET lottery-DET 'Henry won the lottery again.'
 - B: o, áma oh good

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(59)
      A: plan tsukw k-wa-s mán'c-em kw
         already stop DET-IMPF-3POSS smoke-INTR DET
         s-Bob
         NOM-Bob
         'Bob stopped smoking.'
      B: aoz t'u7 kw-en-s-wá
                           zwát-en kw
         NEG just DET-1SG.POSS-NOM-IMPF know-DIR DET
         s-tu7 mán'c-em s-Bob
         NOM-then smoke-INTR NOM-Bob
         'I didn't know Bob smoked.'
      B': aoz t'u7 kw-en-s-wá
                           zwát-en
                                                 kw
         NEG just DET-1SG.POSS-NOM-IMPF know-DIR DET
         s-tsukw-s
         NOM-stop-3POSS
          'I didn't know he stopped.'
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- (60) a. The St'át'imcets elements corresponding to *stop*, *again*, *more*, *too* are not presuppositional.
 - b. The St'át'imcets elements are presuppositional, but presuppositions do not enforce exactly the same common ground/context update constraints in St'át'imcets as they do in English.

- We therefore tentatively conclude that all languages do have presuppositions, but how those presuppositions behave may differ from language to language.
- We also observe, as noted earlier in this section, that even if all languages possess presuppositions, there is cross-linguistic variation in whether or not certain elements (such as determiners) are presuppositional.

Matsumoto (1995): quantity implicatures do not always work the way just sketched. Apart from the speaker not being in possession of the relevant piece of information, another reason (among others that Matsumoto discusses) for not giving more information than one actually does is that the extra information would go beyond the expected level of specificity.

(64) This is Andrew's brother Peter. (Matsumoto 1995: 30, ex. (10))

(65) Kochira wa Takashi-kun no kyoodai no Michio-kun this TOP Takashi-Mr. GEN brother GEN Michio-Mr. desu
COP
'Michio is Takashi's brother.' (Matsumoto 1995: 30–31, ex. (11))

To what extent does the maxim 'Be informative' hold for interlocutors in Malagasy society? Despite certain clashes with other maxims, are members generally expected to satisfy the informational needs of co-conversationalists? No. Interlocutors regularly violate this maxim. They regularly provide less information than is required by their conversational partner, even though they have access to the necessary information. If A asks B, 'Where is your mother?' and B responds 'She is either in the house or in the market', B's utterance is not usually taken to imply that B is unable to provide more specific information needed by the hearer. The implicature is not made, because the expectation that speakers will satisfy informational needs is not a basic norm. (Keenan 1979, p. 70)

Keenan 1979, p. 70:

- i. "New information is a rare commodity. [. . .] Information that is not already available to the public is highly sought after."
- ii. "The fear of committing oneself explicitly to a particular claim."

Here is a summary of the evidence that Keenan provides:

- Speakers will give only necessary conditions, rather than necessary and sufficient conditions. ("How do you open the door?" is met with "If you don't turn the knob, it won't open" rather than "By turning the knob".)
- Speakers avoid naming specific people, opting instead for indefinites like someone.
- Speakers frequently use passive-like constructions (The paper was completed), even when the active would be natural (I completed the paper).
- If some information is widely known or easily obtained, then speakers are more forthcoming.

Литература

Bach, Kent. 1994. Meaning, speech acts, and communication. In Robert Harnish (ed.), Basic topics in the philosophy of language, 3–20. Englewood Cliffs, NJ: Prentice Hall.

Beaver, David I. & Brady Zack Clark. 2008. Sense and sensitivity: How focus determines meaning. Oxford: Wiley-Blackwell.

Brown, Penelope & Stephen C. Levinson. 1978. Universals in language use: Politeness phenomena. In Esther N. Goody (ed.), Questions and politeness: Strategies in social interaction, 56–311. Cambridge: Cambridge University Press.

Brown, Penelope & Stephen C. Levinson. 1987. Politeness: Some universals in language use. Cambridge: Cambridge University Press

Ginzburg, Jonathan. 1996. Interrogatives: Questions, facts, and dialogue. In Shalom Lappin (ed.), The handbook of contemporary semantic theory, 385–422. Oxford: Blackwell Publishers.

Grice, H. Paul. 1975. Logic and conversation. In Peter Cole & Jerry Morgan (eds.), Syntax and semantics, vol. 3: Speech Acts, 43–58. New York: Academic Press.

Hirschberg, Julia. 1985. A theory of scalar implicature: University of Pennsylvania dissertation.

Keenan, Elinor Ochs. 1979. The universality of conversational postulates. Language and Society 5(1). 67–80.

Lakoff, Robin. 1973. The logic of politeness; or, minding your P's and Q's. In Claudia Corum, T. Cedric Smith-Stark & Ann Weiser (eds.), Proceedings of the 9th meeting of the Chicago Linguistic Society, 292–305. Chicago: Chicago Linguistic Society.

Roberts, Craige. 1996. Information structure: Towards an integrated formal theory of pragmatics. In Jae Hak Yoon & Andreas Kathol (eds.), OSU working papers in linguistics, vol. 49: Papers in Semantics, 91–136. Columbus, OH: The Ohio State University Department of Linguistics. Revised 1998.

Watts, Richard J. 2003. Politeness. Cambridge: Cambridge University Press