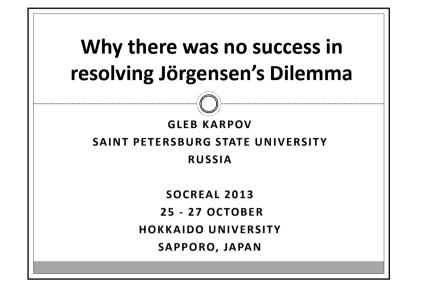
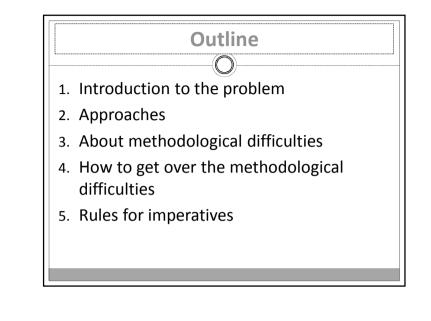


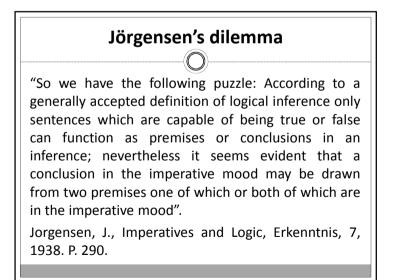
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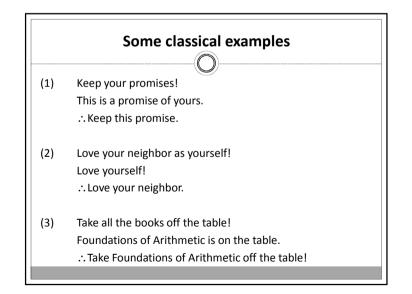
Title	Why there was no success in resolving Jörgensen 's Dilemma
Author(s)	Karpov, Gleb V.
Citation	Proceedings of SOCREAL 2013 : 3rd International Workshop on Philosophy and Ethics of Social Reality 2013, 35-42
Issue Date	2013-10-25
Doc URL	http://hdl.handle.net/2115/55069
Туре	proceedings
Note	SOCREAL 2013 : 3rd International Workshop on Philosophy and Ethics of Social Reality 2013. Hokkaido University, Sapporo, Japan, 25-27 October 2013. Session 2 : Imperatives and Norms
File Information	04Gleb_Why there was no success in resolving Jo1.pdf

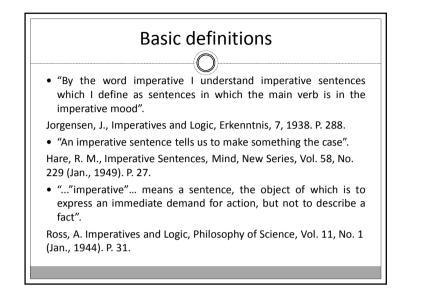
% Instructions for use

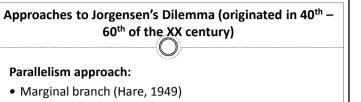










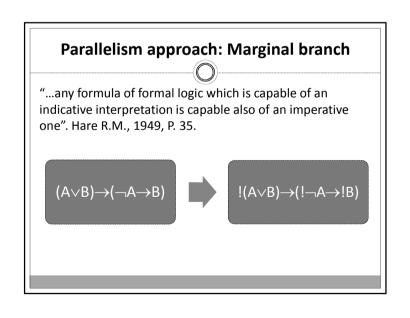


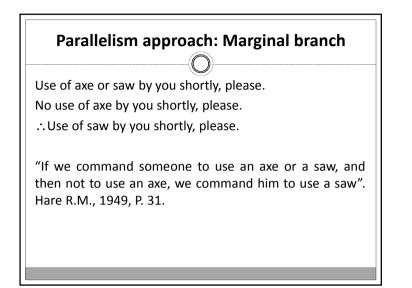
• Moderate branch (Dubislav, 1938; Hofstadter, McKinsey, 1939)

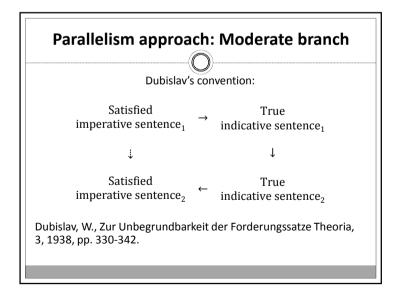
Non-isomorphic to truth-functional logical theories approach:

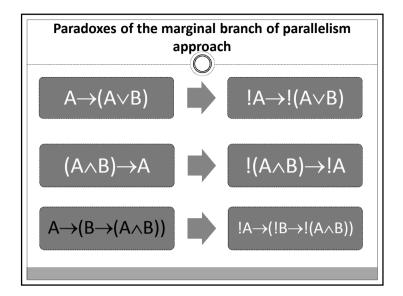
- Unification of the logic of subjective validity and the logic of satisfaction (Ross, 1944)
- Logic of satisfactoriness (Kenny, 1966)

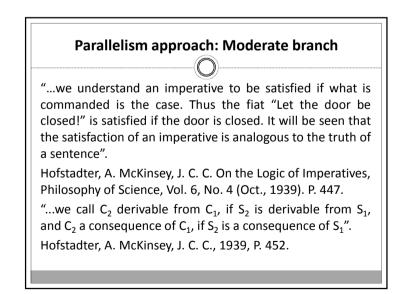




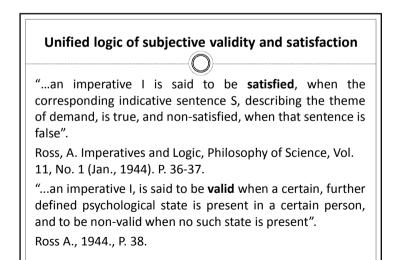


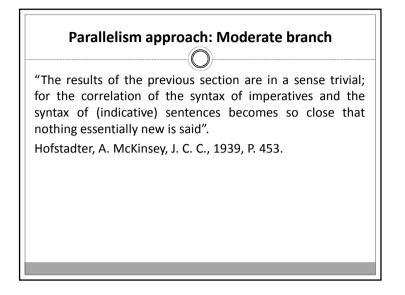




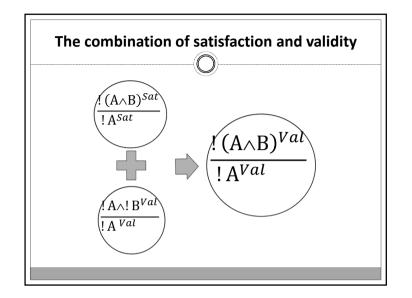


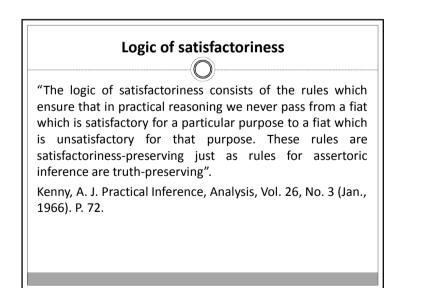
Parallelism approach: Moderate branch			
Classical logic	Logic for imperatives		
(1) $A \rightarrow A$	$A \rightarrow ! A$		
(2) A∧¬A	! A^¬! A		
(3) $\{A_1, A_2,\} \rightarrow A_x$	$\{!A_1, !A_2,\} \rightarrow !A_x$		
(4) $(\neg A \rightarrow A) \rightarrow A$	$!(\neg A \rightarrow A) \rightarrow !A \text{ or}$ $(\neg A \rightarrow !A) \rightarrow !A$		
Hofstadter, A. McKinsey, J. C.	. C., 1939, P. 452-453.		



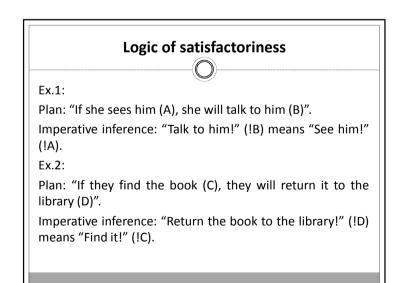


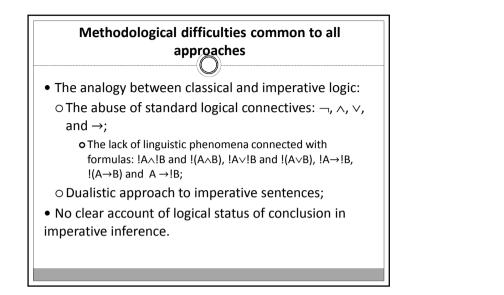
Unified logic of subjective validity and satisfaction			
Logic based on validity			
!A / ¬!(A)			
$\frac{! A \wedge ! B}{! A}$			
$\frac{!A}{!A\vee !B}$			
$\frac{!A}{!A \rightarrow !B}{!B}$			

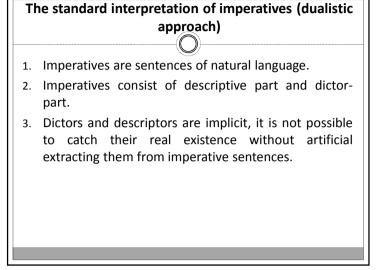


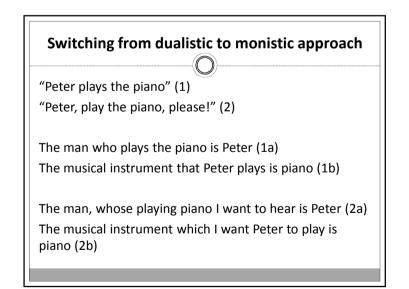


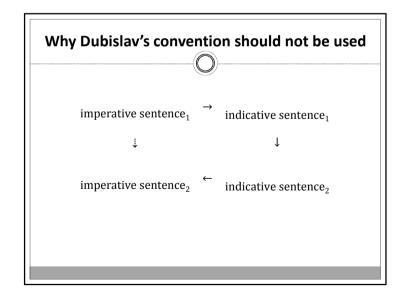
	0	
Logic based on satisfaction	Logic based on validity	A combination
!A / !(¬A)	!A / ¬!(A)	!A / !(¬A), where "!A" is valid and "!(¬A)" is not valid. Ross, 1944, P. 40.
! (A∧B) ! A	$\frac{! A \land ! B}{! A}$	Conjunction elimination "is not possible" . Ross, 1944, P. 43.
! A ! (A∨B)	$\frac{!A}{!A\vee!B}$	Disjunction introduction "is obviously impossible". Ross, 1944, P. 41. Ross paradox.
$\frac{! A}{! (A \rightarrow B)}$	$\frac{! A}{! A \rightarrow ! B}$ $\frac{! B}{! B}$	Implication elimination "is impossible". Ross, 1944, P. 42.











Why Dubislav's convention should not be used

1. I_1 = "Let it be the case that all chairs in the classroom are painted green".

2. S_1 = "All chairs in the classroom are painted green".

3. S_2 = "Some green objects are chairs in the classroom".

4. I_1 = "Let it be the case that some green objects are chairs in the classroom".

	standard logical connectives
Formulas of imperative logic	Linguistic phenomena
!(A^B) / !A^!B	"Let the place 2 be blue and the place 3 be red!" (Hofstadter, A. McKinsey, J. C. C.) / ?
!(A∨B) / !A∨!B	"Either the letter is to be slipped into the letter-box, or it is to be burnet!" / "Either slip the letter into the letter-box or burn it!" (Ross, A.)
!(A→B) / !A→!B	"if you are to love yourself, you are to love your neighbour too" / "if you love yourself, you are also to love your neighbour" (Ross, A.)
A→!B	?

