Base Belief Change for finitary monotonic logics

Title | Base Belief Change for finitary monotonic logics
Publication Type | Conference Paper
Year of Publication | 2010
Authors | Pardo P[1], Dellunde P[2], Godo L[3]
Editor | [4]
Conference Name | Current Topics in Artificial Intelligence
Publisher | Springer
Number | 5988
Pagination | 82-92
Keywords | base revision[5], finitary monotonic logic[6], Fuzzy Logic[7], partial meet revision operators[8]

Abstract
We slightly improve on characterization results already in the literature for base revision. We show that in order to axiomatically characterize revision operators in a logic the only conditions this logic is required to satisfy are: finitarity and monotonicity. A characterization of limiting cases of revision operators, full meet and maxichoice, is also offered. In the second part of the paper, as a particular case, we focus on the class of graded fuzzy logics and distinguish two types of bases, naturally arising in that context, exhibiting different behavior.

Source URL: https://www.iiiia.csic.es/en/node/54703

Links
[3] https://www.iiiia.csic.es/en/staff/lu%C3%ADs-godo