

# Preface

This book is the reprint of my thesis defended in 2010 at PUC-Rio. The content is mostly identical and contains only few adjustments and complements to the original thesis.

For instance, I took advance of some experiences gathered from the Semantic Web community during the 10th Semantic Web Conference at Bonn. A presentation during that event reminded me that I should write about how our systems can be used in the problem called “justification” by the Semantic Web community. I also add some brief comments about the extension of our deduction systems to deal with intuitionistic version of  $\mathcal{ALC}$ . This research was started right after I got my PhD and it is now referenced in the conclusion.

I specially thank Edward Hermann Haeusler, my advisor and friend, who never refuses to give me some advice and share his ideas. I also thank Leonardo Magalhes de Araujo Monteiro for his careful revision of the English language.

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