



Proof Theory of Modal Logic

By Wansing, Heinrich

Book Condition: New. Publisher/Verlag: Springer Netherlands | Proof Theory of Modal Logic is devoted to a thorough study of proof systems for modal logics, that is, logics of necessity, possibility, knowledge, belief, time, computations etc. It contains many new technical results and presentations of novel proof procedures. The volume is of immense importance for the interdisciplinary fields of logic, knowledge representation, and automated deduction. | Preface. Part I: Standard Proof Systems. 1. A Contraction-free Sequent Calculus for S4; J. Hudelmaier. 2. Transfer of Sequent Calculus Strategies to Resolution for S4; G. Mints, et al. 3. A Linear Approach to Modal Proof Theory; H. Schellinx. 4. Refutations and Proofs in S4; T. Skura. Part II: Extended Formalisms. 5. Relational Proof Systems for Modal Logics; E. Orlowska. 6. The Display Problem; N. Belnap. 7. Power and Weakness of the Modal Display Calculus; M. Kracht. 8. A Proof-Theoretic Proof of Functional Completeness for Many Modal and Tense Logics; H. Wansing. 9. On the Completeness of Classical Modal Display Logic; R. Goré. 10. Modal Sequents; C. Cerrato. 11. Modal Functional Completeness; K. Dosen, Z. Petric. 12. A Computational Interpretation of Modal Proofs; S. Martini, A. Masini. 13. Gabbay-Style Calculi; S. Mikulás. Part III: Translation-Based...



Reviews

The book is great and fantastic. it had been writtern extremely perfectly and valuable. I am very happy to let you know that here is the finest pdf i have read through within my own life and can be he very best book for actually.

-- Miss Rossie Fay

I actually began reading this article pdf. It really is filled with wisdom and knowledge You wont sense monotony at at any time of the time (that's what catalogues are for concerning should you request me).

-- Ena Klein MD