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Nota di contenuto

Front matter -- From the editors -- Preface – Unity and Diversity of Logic -- Contents -- On the “Logic without Borders” Point of View -- Arrow’s Theorem by Arrow Theory -- How Big Should the Monster Model Be? -- Modal Logic in the Modal Sense of Modality -- Lindström’s Theorem for Positive Logics, a Topological View -- Model Theory of Fields With Operators – a Survey -- Some Aspects of the Ramsey Theory of Real Numbers -- The Singular World of Singular Cardinals -- Logical Nihilism -- The Doxastic Interpretation of Team Semantics -- The Size of a Formula as a Measure of Complexity -- Notes on the History of Scope -- Universal Structures with Forbidden Homomorphisms -- Counting Measure and Forking in Finite Models -- The Model Theory of Generic Cuts -- On Natural Deduction in Dependence Logic -- Infinitary Methods in Finite Model Theory -- Saturating the Random Graph with an Independent Family of Small Range -- Constructive Realism in Mathematics -- The Twin Continua of Inductive Methods -- A.E.C. with Not Too Many Models -- Pursuing Logic without Borders -- A Radio Interview with Jouko Väänänen

Sommario/riassunto

In recent years, mathematical logic has developed in many directions, the initial unity of its subject matter giving way to a myriad of seemingly unrelated areas. The articles collected here, which range from historical scholarship to recent research in geometric model theory, squarely address this development. These articles also connect to the diverse work of Väänänen, whose ecumenical approach to logic reflects the unity of the discipline.