<<   2   >>

<<   2   >>

13   ISBN   9787510035159

10   ISBN   7510035155

          2011-6

          536

                    PDF

          http://www.tushu007.com

Page 2

Introduction

First, the various hypotheses though arising from diverse motivations and historical happenstance nonetheless form a linear hierarchy, one neatly delimited by Kunen's inconsistency result. Typically for two large cardinal hypotheses, below a cardinal satisfying one there are many cardinals satisfying the other, in a sense prescribed by the first.Moreover, the weaker hypotheses through strong forms of measurability have been bolstered by a variety of equiconsistency results involving combinatorial proposi-tions low in the cumulative hierarchy. In this respect, particularly intriguing is the work on the Singular Cardinals Problem, which showed that something as basic as rendering 2^κ large for singular strong iimit cardinals K essentially requires large cardinals. Finally, a variety of strong propositions have been informatively brack-eted in consistency strength between two large cardinal hypotheses: The stronger hypothesis implies that there is a forcing extension in which the proposition ob-tains; and if the proposition obtains, there is an inner model satisfying the weaker hypothesis. Supercompactness has often figured as the upper bound, but some-times n-hugeness and even the hypotheses just short of Kunen's inconsistency have played this role.   This wide-ranging exploration is the subject of volume II.   ……

PDF

:http://www.tushu007.com