# <<高阶无限第2版>>

#### 图书基本信息

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#### 内容概要

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#### 章节摘录

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" 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 hypotheses just short of Kunen's inconsistency have played this role. (This wide-ranging exploration is the subject of volume II.)





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