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## 内容概要

As I see it , the graduate course in algebra must primarily prepare students to handle the algebra which they will meet in all of mathematics : topology , partial differential equations , differential geometry , algebraic geometry , analysis , and representation theory , not to speak of algebra itself and algebraic number theory with all its ramifications. Hence I have inserted throughout references to papers and books which have appeared during the last decades , to indicate some of the directions in which the algebraic foundations provided by this book are used; I have accompanied these references with some motivating comments , to explain how the topics of the present book fit into the mathematics that is to come subsequently in various fields; and I have also mentioned some unsolved problems of mathematics in algebra and number theory. The abc conjecture is perhaps the most spectacular of these.

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