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私の 本棚

My favorite books



● Operator Algebras

I met the author Blackadar several times while I was staying in the United States. At the time I advertised my recent research result (not much of an achievement) and later he kindly quoted just some of it in this book. Even so, I was happy to find my research result appearing in a book.

● Hikaru-no-Go

I read this manga while I was living in Sapporo as a postdoctoral fellow following completion of my doctoral course. This manga initiated me into the Go game. After learning the rules, I had enjoyed the game in my own way – slowly and steadily. But since several years ago, Go has become the number one pastime for both my first son and myself.

● C*-Algebras and W*-Algebras

I read this book on operator algebras as a master's course student during a seminar under Professor Kawahigashi. If there were other students interested in this subject, we would read it and make a presentation taking turns. But I was the only one, so I had to make a presentation alone week after week. Whenever I came across difficult points that I couldn't figure out by myself, I went to the desk of Professor Kawahigashi to ask questions. He gave me explanations very attentively.

● Number Theory for Beginners

I read this book as a high school third grader in a mathematics summer camp for junior and senior high school students. Several students took turns to explain the contents of the book. It was the first book I read on contemporary (or modern?) mathematics, which outlines relations between basic integer problems and the abstract mathematics so that even high school students can understand (if they try hard). I could feel the beauty of mathematics in this book.

● Functional Analysis

This book is about functional analysis. I read it by myself when I was a junior. It was the first mathematics book that I chose according to my own interest. It was so difficult that I gave up halfway, but the fact that I read it by myself even halfway was meaningful to me in terms of both knowledge and experience. This book is memorable as it motivated me to specialize in operator algebras later.

● Complex Analysis

I read this book on complex analysis as a freshman in a voluntary seminar formed by several students, who would explain the contents taking turns. As it was the first book I read in English, I had double difficulties at first – the difficulty of English and that of mathematics. But I got used to both in due course. At first I had a hard time catching up with the progress due to my shallow understanding, but I gradually came to find the beauty of theories as my understanding deepened.

● Introduction to Lebesgue Integral

This book is one I read as a sophomore in a voluntary seminar formed by several students who would explain the contents taking turns. Not only did this book make me feel the beauty of mathematics but the strictness of mathematics. This experience led me to think that the learning of analysis would suit me better rather than geometry or algebra. Looking back now, it seems to be that my judgment then was half right and half wrong.