

Preface to the second edition

In the 35 years since the lectures which form this book were given the area of Ramsey theory has continued to undergo tremendous growth, particularly in the last decade. We are taking advantage of this time to revisit these rudiments to fill in what has happened since the first edition came out. We also are taking advantage of this time to correct any errors in the first edition of which we were aware.¹

The goal of this book, as before, is to serve as an introduction to the field of Ramsey theory. When this book first appeared it was difficult to find resources about Ramsey theory. In the last few decades the situation has changed drastically and further information about the field is now available in several books including *Ramsey Theory* by Graham, Rothschild and Spencer²; *Ramsey Theory on the Integers* by Landman and Robertson; *Elemental Methods in Ergodic Ramsey Theory* by McCutcheon; and *Ramsey Theory for Discrete Structures* by Prömel. In addition there are several collected volumes dedicated to Ramsey theory, including *Mathematics of Ramsey Theory* edited by Nešetřil and Rödl and *Ramsey Theory: Yesterday, Today, and Tomorrow* edited by Soifer, as well as a number of surveys including [CoFS, GN, JNR, Ne, Rad, Ros, Tro]. We hope that this small work will still continue to be a helpful guide for those starting out in the field.

¹Any errors that we are not yet aware of will be corrected in the third edition of this book, tentatively planned to come out around 2050.

²The $(2 + \varepsilon)$ edition of which has recently been released.