Chvátal, Vašek
The discrete mathematical charms of Paul Erdős. A simple introduction. (English)
Zbl 1490.01001
Cambridge: Cambridge University Press (ISBN 978-1-108-92740-6/pbk; 978-1-108-83183-3/hbk; 978-1-108-91218-1/ebook). xix, 248 p. (2021).

This book is written for graduate students and problem solvers, and introduces the readers to the mathematics of Paul Erdős. The book begins by explaining Erdős's beautiful proof of Betrand's postulate that there always is a prime number between n and $2n$. From there, the author leads his readers through the solutions of the Happy Ending Problem, the Erdős-Rado theorem, problems from Ramsey theory, and the last few chapters all deal with graph theory.

The book contains historical notes, pictures of Erdős, an extensive bibliography, and a cover with a nod to the Beatles' "Let it be" album. It is demanding, but a pleasure to work through. I highly recommend it to everyone with a good background in calculus and elementary number theory.

Reviewer: Franz Lemmermeyer (Jagstzell)

MSC:

01-02	Research exposition (monographs, survey articles) pertaining to history and biography
01A60	History of mathematics in the 20th century
05-01	Introductory exposition (textbooks, tutorial papers, etc.) pertaining to combinatorics
11-01	Introductory exposition (textbooks, tutorial papers, etc.) pertaining to number theory

Biographic references:

Erdős, Paul

Full Text: DOI