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**Chapters in mathematics. From  $\pi$  to Pell.**

Texts in Mathematics 3. London: College Publications (ISBN 978-1-84890-053-0/pbk). xiv, 225 p. (2012).

In this intriguing book geometry is mixed with computation in a very innovative and interesting way. Beginning by the computational efforts for the value of  $\pi$ , Napoleon's theorem appears ending up to Euclid and Ptolemy. The next group of topics has as starting point the Pell equation at first algorithmically solved and afterwards with a program (for example to Logo). The golden ration connected with the Fibonacci numbers covers induction and recursion, while paradoxes on infinite processes together with computation of square roots fill out the puzzle. It is a true pleasure for the mathematics teacher to introduce this book in his classroom.

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*Classification:* F50 F10 B50 G10

*Keywords:* geometry; computation; the value of  $\pi$ ; Napoleon's theorem; Euclid; Ptolemy; Pell equation; Fibonacci numbers; square roots