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AMS Classification Numbers: 11B39, 15A36, 30B10



#### BOOK REVIEW

**Richard A. Dunlap, *The Golden Ratio and Fibonacci Numbers*  
(River Edge, NJ: World Scientific, 1997).**

This attractive and carefully written book addresses the general reader with interest in mathematics and its application to the physical and biological sciences. In addition, it provides supplementary reading for a lower division university course in number theory or geometry and introduces basic properties of the golden ratio and Fibonacci numbers for researchers working in fields where these numbers have found applications.

An extensive collection of diagrams illustrate geometric problems in two and three dimensions, quasi-crystallography, Penrose tiling, and biological applications. Appendices list the first 100 Fibonacci and Lucas numbers, a collection of equations involving the golden ratio and generalized Fibonacci numbers, and a diverse list of references.

A new book on Fibonacci-related topics is published infrequently; this one will make a valuable addition to academic and personal libraries, and the many diagrams will knock your socks off.

*Reviewed by Marjorie Bicknell-Johnson*