

This book traces a remarkable path of mathematical connections through seemingly disparate topics. Frustrations with a 1940s electro-mechanical computer at a premier research laboratory begin this story. Subsequent mathematical methods of encoding messages to ensure correctness when transmitted over noisy channels led to discoveries of extremely efficient lattice packings of equal-radius balls, especially in 24-dimensional space. In turn, this highly symmetric lattice, with each point neighbouring exactly 196,560 other points, suggested the possible presence of new simple groups as groups of symmetries. Indeed, new groups were found and are now part of the Enormous Theorem - the classification of all simple groups whose entire proof runs to some 10,000+ pages. And these connections, along with the fascinating history and the proof of the simplicity of one of those sporadic simple groups, are presented at an undergraduate mathematical level.

Chis Sweet Home, volume 12, Homemade Soaps for Beginners: The Ultimate Natural and Organic Soap Making Guide by Janet Brooks (2014-08-30), The Mahabharata (Volume 4), Notebook for Nannerl: Piano (Schott Piano Classics), Submarine (Eyewitness Books), The Complete Studio Guitarist: The Guitarists Guide to Session Work and Home Recording, Book & CD, Durrance Radioactivity (Ellis Horwood series in geology),

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