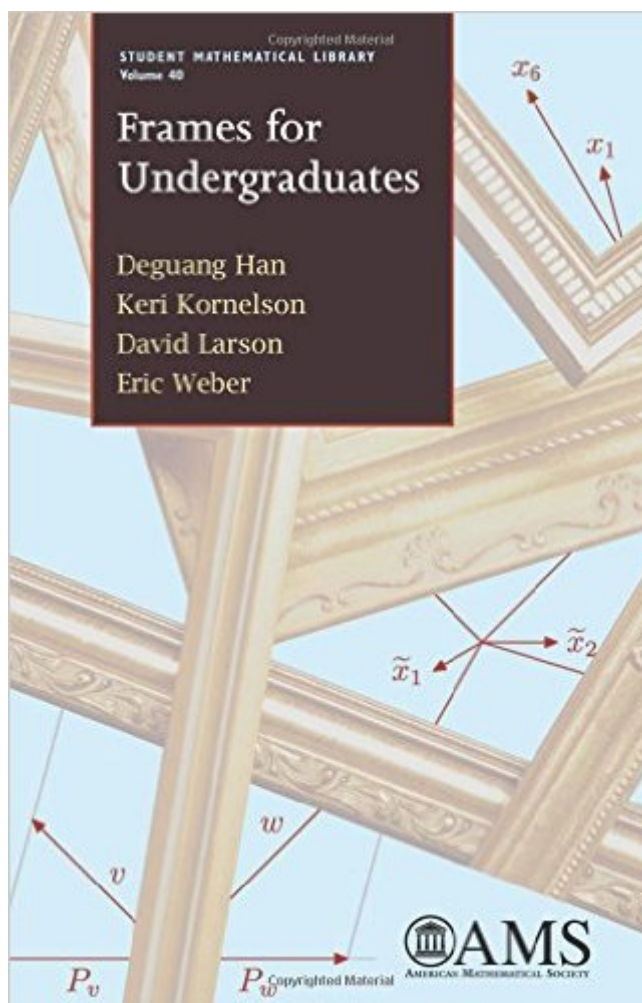


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Frames For Undergraduates (Student Mathematical Library)



Synopsis

Frames for Undergraduates is an undergraduate-level introduction to the theory of frames in a Hilbert space. This book can serve as a text for a special-topics course in frame theory, but it could also be used to teach a second semester of linear algebra, using frames as an application of the theoretical concepts. It can also provide a complete and helpful resource for students doing undergraduate research projects using frames. The early chapters contain the topics from linear algebra that students need to know in order to read the rest of the book. The later chapters are devoted to advanced topics, which allow students with more experience to study more intricate types of frames. Toward that end, a Student Presentation section gives detailed proofs of fairly technical results with the intention that a student could work out these proofs independently and prepare a presentation to a class or research group. The authors have also presented some stories in the Anecdotes section about how this material has motivated and influenced their students.

Book Information

Series: Student Mathematical Library (Book 40)

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Customer Reviews

for an otherwise obscure or intimidating topic. It can be read by anyone with a couple of undergraduate courses in Linear Algebra. I used this in conjunction with Ole Christensen's classic book "An Introduction to Frames and Riesz Bases".

All good!

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