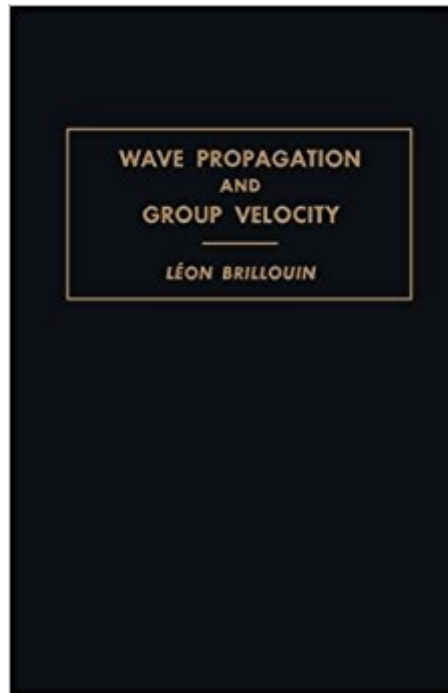




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Wave Propagation And Group Velocity



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Customer Reviews

This was a great book encompassing the ideas of Sommerfeld and his student Brillouin on propagation in dispersive media. However, not to diminish its quality, but it might be more helpful for the modern practitioner to look at an updated treatment given by Oughstun in 2 volumes: Electromagnetic and Optical Pulse Propagation 1: Spectral Representations in Temporally Dispersive Media (Springer Series in Optical Sciences) (v. 1) and Electromagnetic and Optical Pulse Propagation 2: Temporal Pulse Dynamics in Dispersive, Attenuative Media (Springer Series in Optical Sciences)

Many physics papers have been published since 1970 on faster than speed of light propagation. In state-of-the-art photonics these days "slow light" is a crucial concept. Many scientists seem not to have read this book by Brillouin. This book is written by a brilliant scientist. After Sommerfeld's very old books this book is far the best. A must for everybody interested in phase velocity, group velocity, signal velocity and energy velocity. There are a few misprints. But that is not serious. I already bought three second-hand copies of this book and I am tempted to buy more. I use them on a daily basis. He never got the Nobel prize because the French establishment never forgave him his (temporary) emigration to the USA.

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