

## Selected Bibliography

### **1 Physics**

[1], [2], [13], [5]

### **2 Review articles (mathematical)**

[8]

### **3 Books**

[3] (mostly one-dimensional theory and ODE with periodic coefficients), [7]

### **4 Absolute continuity/absence of eigenvalues**

[15], [7], [8]

### **5 Perturbation theory of linear operators, quadratic forms**

[6]

### **6 Measurability of Bloch waves**

[7], [16]

## **References**

- [1] N. W. ASHCROFT AND N.D. MERMIN, Solid state physics, Singapore: Brooks/Coole Thomson Learning, 2005.
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- [3] M. EASTHAM, The spectral theory of periodic differential equations, Edinburgh: Scottish Academic Press, 1973.
- [4] A. FIGOTIN AND A. KLEIN, Localization of Classical Waves I: Acoustic Waves, Commun. Math. Phys. 180, 439-482, 1996.

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- [6] T. KATO, *Perturbation theory for linear operators*, Grundlehren der mathematischen Wissenschaften (vol. 132), New York: Springer, 1976.
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- [10] F. ODEH AND J.B. KELLER, *Partial differential equations with periodic coefficients and Bloch waves in crystals*, *J. Mathematical Phys.* 5, 1499-1504, 1964.
- [11] M. REED AND B. SIMON, *Methods of modern mathematical physics. Vol 1: Functional analysis*, revised and enlarged edition, Academic Press, 1980.
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- [13] K. SAKODA, *Optical properties of photonic crystals*. Springer, 2005.
- [14] L. SOLYMAR AND E. SHAMONINA, *Waves in Metamaterials*, Oxford University Press, 2009.
- [15] T. SUSLINA, *Absolute continuity of the spectrum of periodic operators of mathematical physics*. *Journées Equations aux dérivées partielles* (2000), p.1-13.
- [16] C. WILCOX, *Theory of Bloch Waves*, *Journal d'Analyse Mathématique* Volume 33, Number 1, 146-167, DOI: 10.1007/BF02790171.