

Curriculum vitae

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Academic degrees:

BA in Physics cum laude, (Technion, 1998)

MSc in Physics cum laude, (Tel-Aviv University, 2008)

PhD in Physics, (Technion. 2016)

Publications:

Levy, E., Peles, D., Opher-Lipson, M., & Lipson, S. G. (1999). Modulation transfer function of a lens measured with a random target method. *Applied Optics*, 38(4), 679–683.

Levy, E., MSc thesis (2007). Measurement of optical properties of metals as a function of temperature, school of physics and astronomy, faculty of exact sciences, Tel-Aviv University.

Akkermans, E., Dunne, G., & Levy, E. (2013). Wave propagation in one-dimension: Methods and applications to complex and fractal structures. In L. Dal Negro (Ed.), *Optics of Aperiodic Structures: Fundamentals and Device Applications*. Pan Stanford.

Levy, E. , Barak, A., Fisher, A. and Akkermans, E., Topological properties of Fibonacci quasicrystals : A scattering analysis of Chern numbers, arXiv:1509.04028 (2015).

Levy, E., PhD thesis (2016). Topological Properties of Quasiperiodic Chains: Structural and Spectral Analysis, Physics department, Technion – Israel inst. of technology.

Baboux, F., Levy, E. et al, Measuring topological invariants from generalized edge states in polaritonic quasicrystals, *Phys. Rev. B* 95, 161114(R) (2017).

Dareau, A., Levy, E. et al., Revealing the Topology of Quasicrystals with a Diffraction Experiment, *Phys. Rev. Lett.* 119, 215304 (2017)

Levy, E. and Akkermans, Topological boundary states in 1D: An effective Fabry-Perot model, *Eur. Phys. J. Spec. Top.* (2017) 226: 1563

Levy, E. et al, Inverse scattering measurements map the topology of tilings, in preparation (2020).