Bernoullis Tafelrunde

Graduate Student Seminar

Monday, 18 March 2024, 12:15-13:00
Seminarraum 05.002, Spiegelgasse 5

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Wave interaction with subwavelength resonators

Abstract

In this presentation, I aim to introduce the PDE model for subwavelength resonators, a novel playground for artificial materials to guide and manipulate waves. We would explore its asymptotic and numerical solutions, as well as some wideranging applications across various fields of physics. Particularly, I will draw intriguing parallels to condensed matter physics like the building of band gaps, skin effects etc..