

Mordechai SEGEV, Technion, Israel

Photonic Time-Crystals

by

Mordechai Segev, Eran Lustig, Yonatan Sharabi, Alex Dikopoltsev, Mark Liubarov and
Yaakov Lumer

Abstract

We present the classical and quantum aspects of photonic time-crystals, ranging from effects of topology and disorder to spontaneous emission by free electrons in the vicinity of such media, and by atoms embedded in photonic time-crystals.