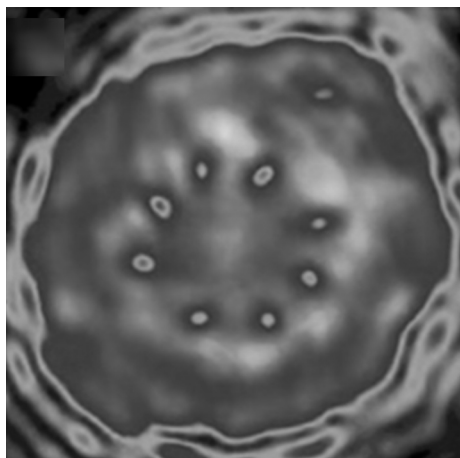


COMPTES RENDUS PHYSIQUE

Tome 17 (2016) – N° 8 – octobre–novembre



Vortex lattices in a polariton fluid. From T. Boulier et al., “Lattices of quantized vortices in polariton superfluids”, this issue, pp. 893–905.

Réseau de vortex dans un fluide de polaritons. D'après T. Boulier et al., « Lattices of quantized vortices in polariton superfluids », ce numéro, pp. 893–905.

DOSSIER

Polariton physics / Physique des polaritons

Coordinators / *Coordinateurs* : Alberto Amo, Jacqueline Bloch, Iacopo Carusotto

- Foreword – Strong light–matter coupling in solid-state systems: A historical perspective
Alberto Amo, Jacqueline Bloch, Iacopo Carusotto 805
- Many-body quantum electrodynamics networks: Non-equilibrium condensed matter physics with light
Karyn Le Hur, Loïc Henriot, Alexandru Petrescu, Kirill Plekhanov, Guillaume Roux, Marco Schiró 808
- Towards strongly correlated photons in arrays of dissipative nonlinear cavities under a frequency-dependent incoherent pumping
José Lebreuilly, Michiel Wouters, Iacopo Carusotto 836
- Ultra-strong light–matter coupling and superradiance using dense electron gases
Angela Vasanelli, Yanko Todorov, Carlo Sirtori 861
- Polariton interactions in semiconductor microcavities
Benoit Deveaud 874
- Lattices of quantized vortices in polariton superfluids
Thomas Boulier, Emiliano Cancellieri, Nicolas D. Sangouard, Romain Hivet, Quentin Glorieux, Élisabeth Giacobino, Alberto Bramati 893
- Soliton physics with semiconductor exciton–polaritons in confined systems
Maksym Sich, Dmitry V. Skryabin, Dmitry N. Krizhanovskii 908
- Chirality in photonic systems
Dmitry Solnyshkov, Guillaume Malpuech 920

Continued on the next page

Contents (continued)

- Exciton-polaritons in lattices: A non-linear photonic simulator
Alberto Amo, Jacqueline Bloch 934
- Polariton condensates at room temperature
Thierry Guillet, Christelle Brimont 946