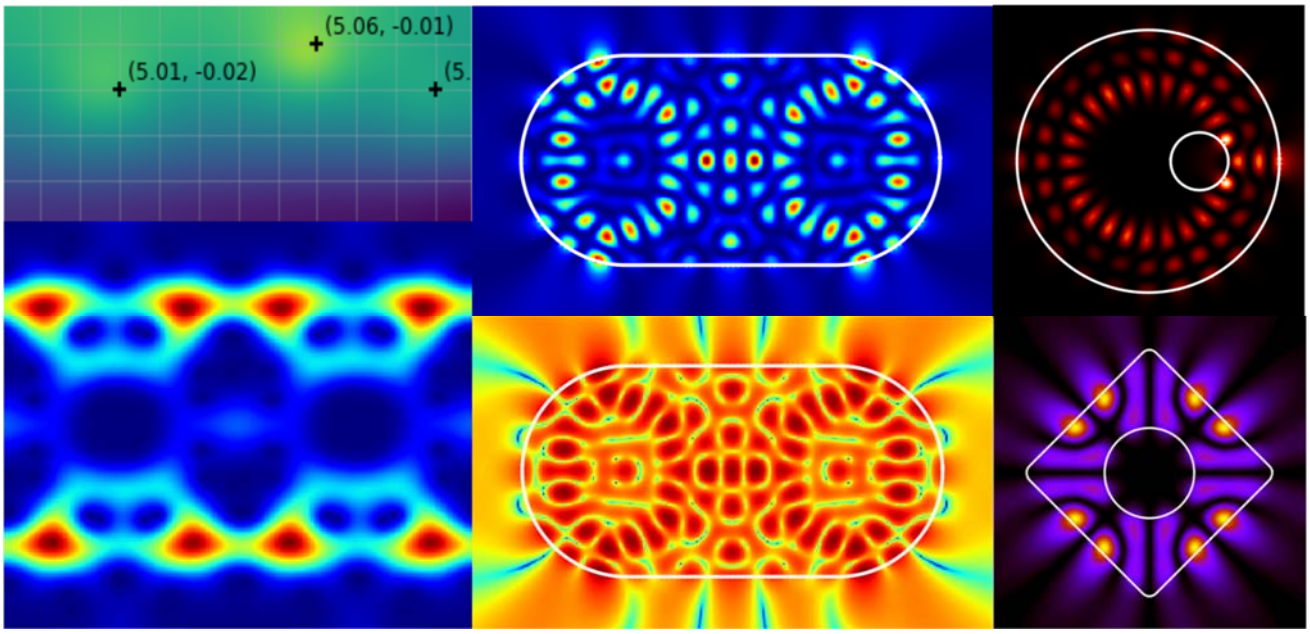
New Release in November 2020
Optical Cavity Mode Solver for 2D Cavities
OCMS 2020
Software Package

**Powerful tool to compute complex optical modes of 2D microcavities using the boundary element method for Science and Engineering of Lasers, Optical Sensors, and Photonic Devices**

Enabling accurate, systematic and efficient computation of resonant modes for a single- or multi-domain cavity with arbitrary smooth boundaries.




**Product Name: OCMS-2020-Basic**

Supported OS: Linux (Recommended: Ubuntu LTS 18.04, 20.04)
Computation modules:

- BEM solver module with the basic shape library (11 shapes including deformed circles and stadium)
- Wave function computation module
- Husimi distribution computation module
- Module for solving interior Dirichlet problems

Analysis and visualization tools:

- Resonance detection tool
- 2D data plot tool
- Far-field and near-field pattern plot tool
- Cavity shape debugging tool

Reference documents: Quick guide, User's manual

**Optional Features:** Batch plot module, Auto resonance search module

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