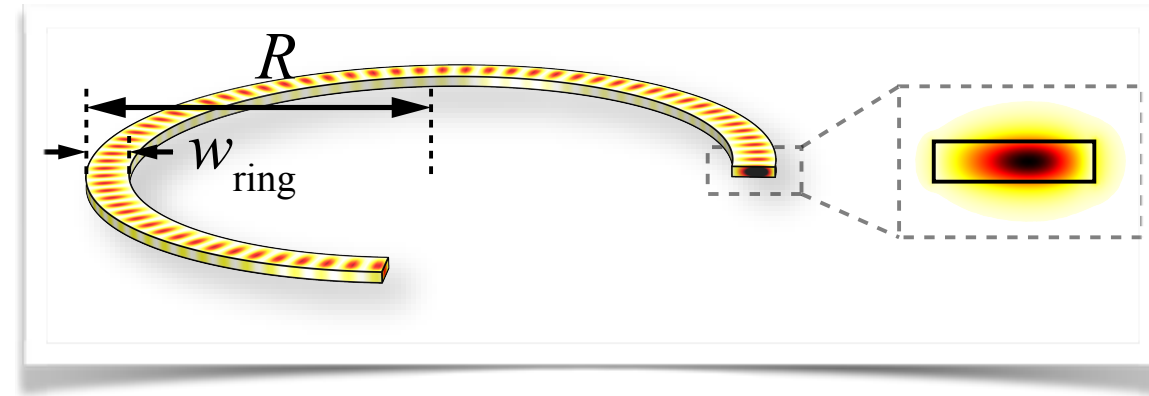




Finite element with COMSOL

1. Finite Element basics with Comsol:

- Weak form
- Implementation of simple scalar field (temperature) example.



2. Solving eigenmodes of waveguides and axisymmetric cavities.

- Optical and mechanical waveguides
 - ▶ Fields
 - ▶ Dispersion relations (compare)
 - ▶ Coupling
- Axisymmetric optical and mechanical cavities
 - ▶ Fields
 - ▶ Dispersion relations
 - ▶ Coupling

3. Periodic structures

- Band diagrams
- Density of states

