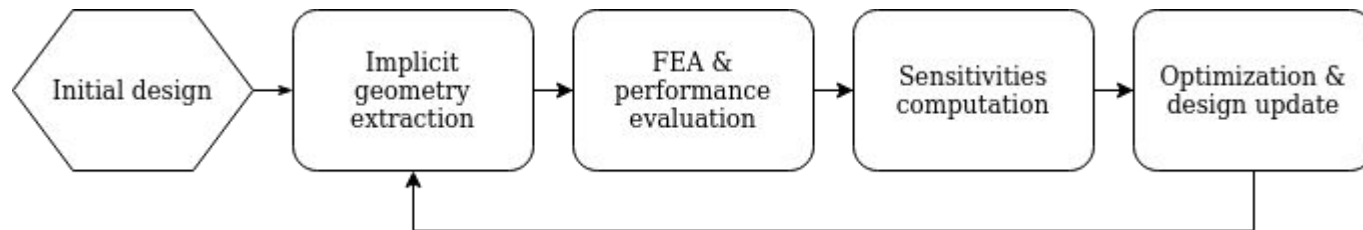
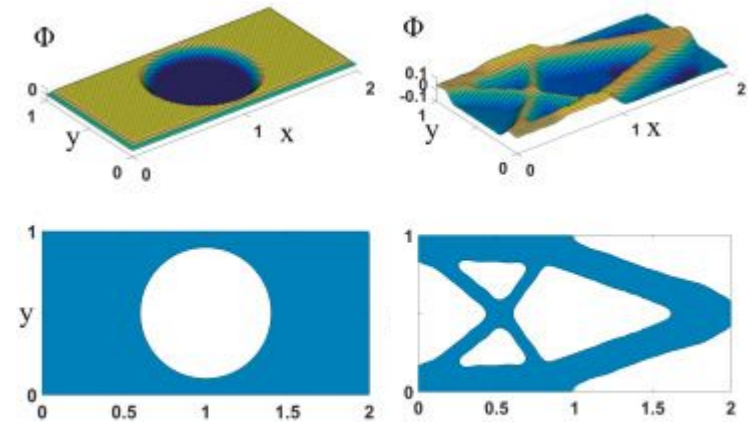
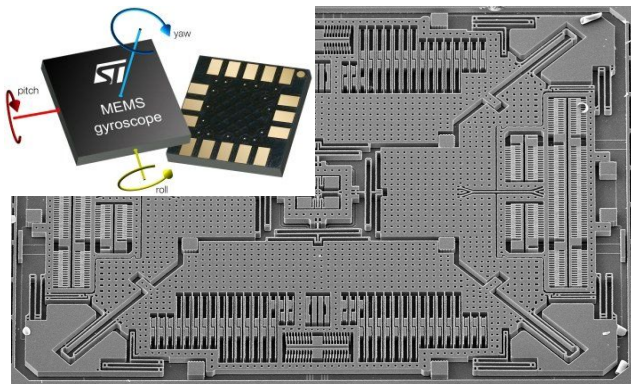


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## Level-set topology optimization of MEMS gyroscopes



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- Currently using a custom version of OpenLSTO, an open-source C++ library for level-set optimization
- Generalized eigenvalue computation very expensive
  - Limiting factor, especially for 3D problem
  - Interested in parallelization
  - Tried using PETSc, but would like to preserve the Eigen sparse data structures
- Different areas of the geometry could be optimized concurrently
- Parallel computation would allow different geometries to be evaluated together