**Matlab Coding Specification**

1. Follow Matlab built-in style as much as possible
2. Naming convention

* Do not use capital letter, even for acronym
  + Example: qc, bhf, beltrami
* Connect word with underline “\_”
  + Example: quasi\_conformal, laplace\_beltrami
* Avoid single letter variable
  + Example: face, vertex instead of f, v
* Precise and concise

1. Universal doc/comment style
   * Every function start with doc, use a predefined doc format
   * Code is separated into blocks, each block should be explained
2. Function design
   * Input/output: just enough, not much, not less, start from necessary args, followed with optional ones
   * Use column major array (follow Matlab built-in style)
   * Use array operation whenever possible, avoid for/while loops
3. Misc
   * If triangle mesh passed as args, face is placed before vertex, as Matlab build-in function does.
   * 3d coordinate/points is stored in n\*3 array, 2d coordinate/point stored in n\*2 array, do not use complex array. If complex coordinate needed, form it in place