课程视频：https://www.bilibili.com/video/BV1B54y1B7Uc
课程教材：Polygon Mesh Processing. Botsch et al.2010
课程主页：http://staff.ustc.edu.cn/~fuxm/course/2020_Spring_DGP/index.html
纸质版教材可到管理科研楼 1203 领取。
大家根据视频进行学习，完成 13 次作业。具体安排如下：

1. Basic training
Reference: Shortest path (Dijkstra's algorithm) and minimal spanning tree on the triangular mesh
Deadline: 23:59 2020/9/27

2. Curvature estimation and visualization
Deadline: 23:59 2020/10/11

3. Mesh Smoothing
Reference: Bilateral Normal Filtering for Mesh Denoising
Deadline: 23:59 2020/10/18

4. Mesh Parameterization 1
Reference: Tutte's embedding method
Deadline: 23:59 2020/10/25

5. Mesh Parameterization 2
Reference: A Local/Global Approach to Mesh Parameterization
Deadline: 23:59 2020/11/1

6. Mesh Deformation
Reference: As-Rigid-As-Possible Surface Modeling
Deadline: 23:59 2020/11/15

7. Barycentric Coordinates
Reference: Mean value coordinates
Deadline: 23:59 2020/11/22

8. Mesh Interpolation
Reference: As-Rigid-As-Possible Shape Interpolation
Deadline: 23:59 2020/11/29

9. Mesh Simplification
Reference: Surface Simplification Using Quadric Error Metrics
Deadline: 23:59 2020/12/6

10. Cross Fields
Reference: Designing N-polyvector fields with complex polynomials
Deadline: 23:59 2020/12/20

11. Remeshing
Reference: A Remeshing Approach to Multiresolution Modeling
Deadline: 23:59 2020/12/27

12. Optimal Delaunay triangulation
Reference: Optimal Delaunay triangulation
Deadline: 23:59 2021/1/3

13. Lloyd's iteration algorithm
Reference: Variational shape approximation
Deadline: 23:59 2021/1/10

注意事项：
代码框架及数据可在http://staff.ustc.edu.cn/~fuxm/ 找到。希望使用C++，主要依赖库：Qt，OpenMesh，Eigen。
作业deadline在每周日晚23:59。答疑时间为下一周的周二晚上：从21:20开始。