



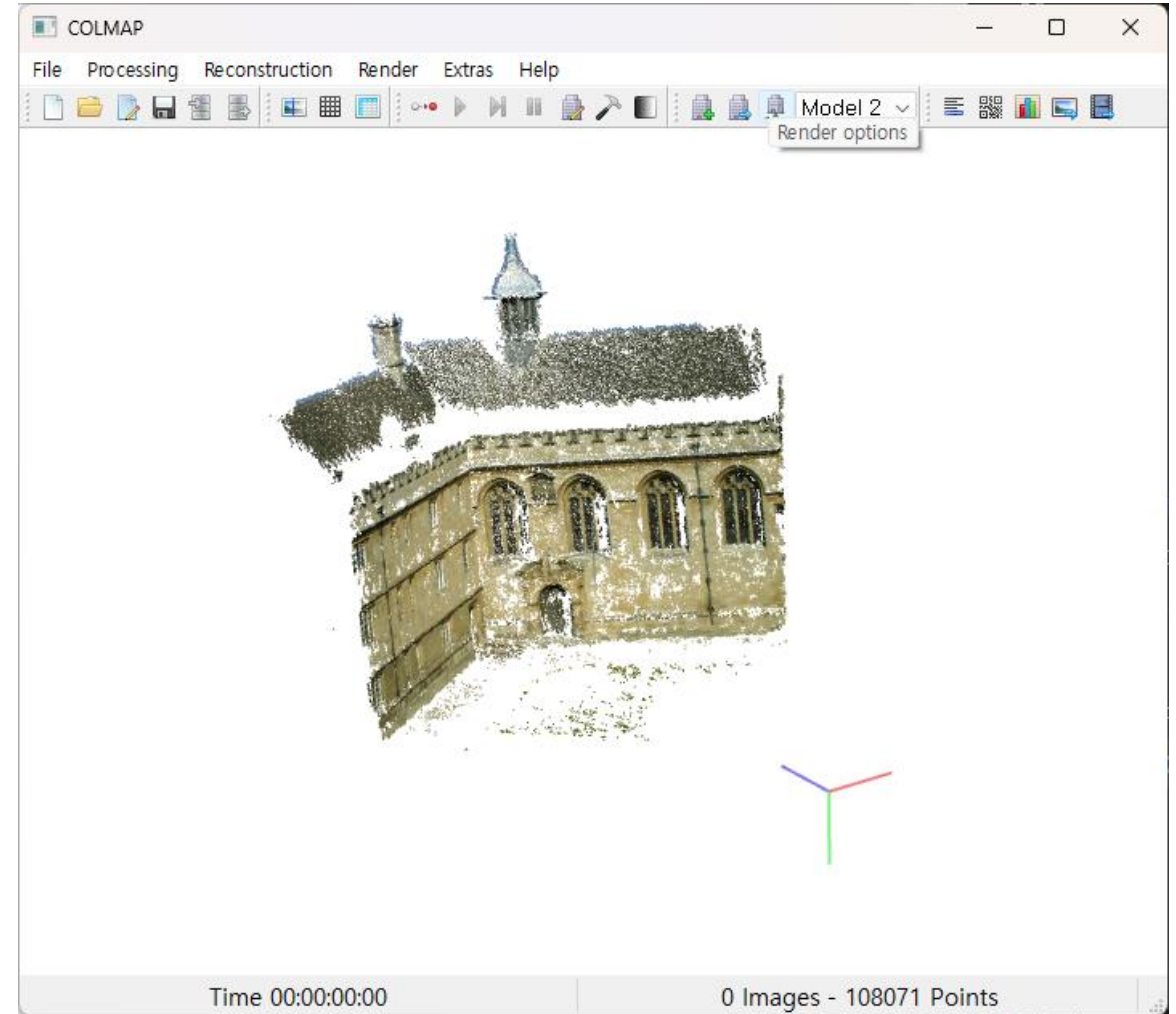
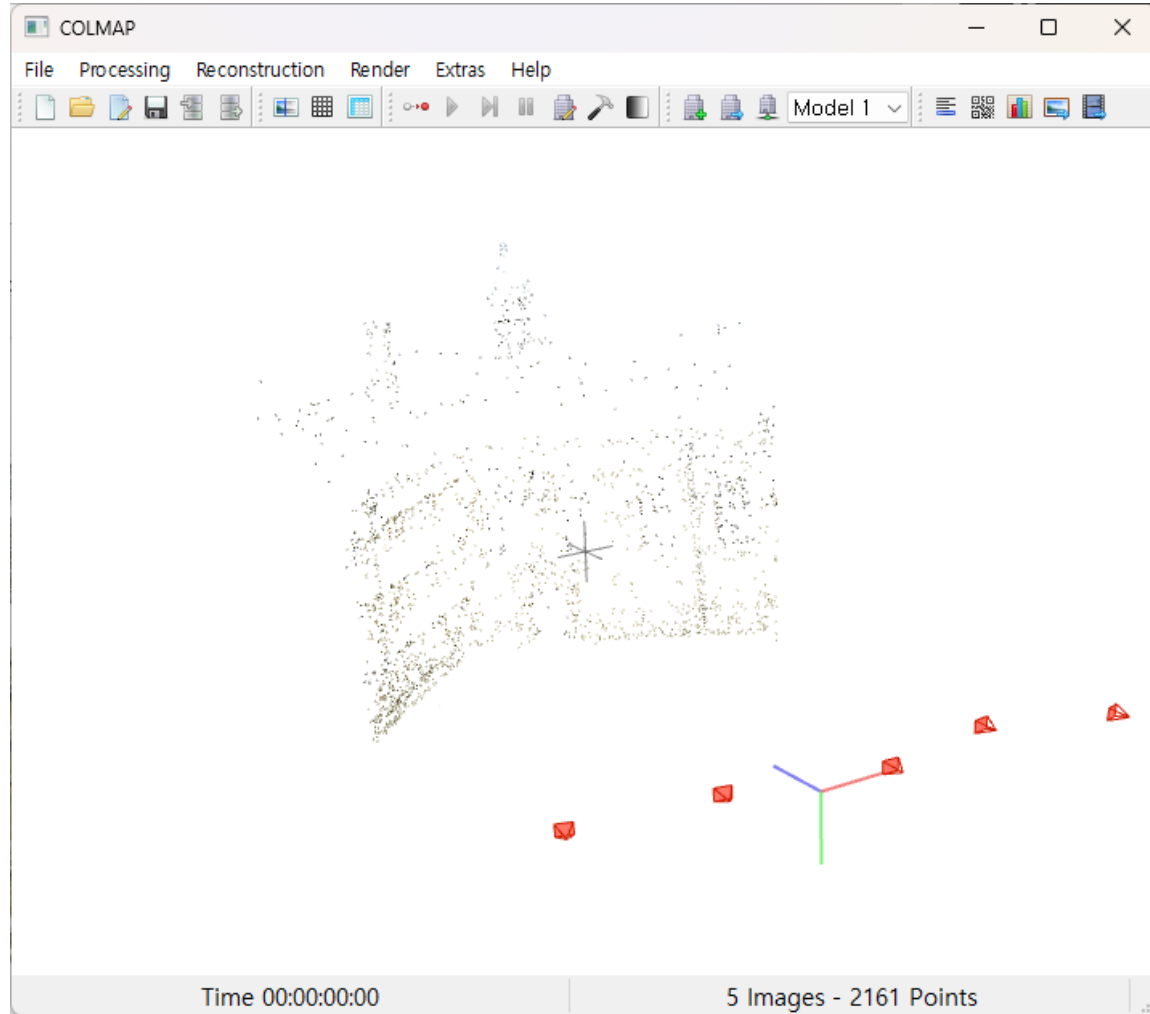
Multi-view Geometry: **COLMAP Practice**

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COLMAP Practice

- Mission) Reconstruct a 3D building structure from multiple images using COLMAP
 - Images: data/00?.jpg (*Wadham College* dataset)
 - Camera parameters: $f_x = f_y = 1086$, $c_x = 512$, $c_y = 384$, $k_1 = -0.0568965$ (for Brown-Conrady distortion model)
 - COLMAP will find camera intrinsic parameters if they are not given.
- Your report needs to contain the following information. (Max. 20 points)
 - 3D sparse point visualization of the *Wadham College* dataset (5 points)
 - 3D dense point visualization of the *Wadham College* dataset (5 points)
 - 3D sparse point visualization of your own (or other public) dataset (5 points)
 - 3D dense point visualization of your own (or other public) dataset (5 points)

COLMAP Practice



Assignment

- Mission
 - Submit your report (e.g. pdf, docx, pptx, hwp, md, ...)
- Submission
 - Deadline: **November 20, 2024 23:59** (firm deadline; no extension)
 - Where: e-Class > Assignments
 - Score: Max 20 points