README

Directory Structure:

- **Code**: contains the code.
  - **FNR**: Full-chain Nonlinearity Rectification, corresponding to Section III.
    - **Main_Exp_Simu_OPWM.m**: script file for Optimal PWM Fringe Pattern
    - **Main_Exp_CNRC.m**: script file for Camera Nonlinear Response Correction
    - **CameraResponseCalibration**: images for camera response function calibration
  - **BSC&PSPU**: Binomial Self-Compensation (BSC) and Paraxial Stereo Phase Unwrapping (PSPU), corresponding to Section IV. and V.
    - **Main_Script.m**: script file for P-BSC/I-BSC and PSPU
    - **Func_PBSC**: this function conducts phase-sequential binomial self-compensation for ripple-like distortions.
    - **Func_IBSC**: this function conducts image-sequential binomial self-compensation for ripple-like distortions.
    - **Func_Compute3D_PSPU**: this function unwraps the high-frequency phase of both left and right cameras by paraxial stereo phase unwrapping, and then compute 3D point clouds.
    - **Package**: other functions.
- **Data**: contains calibration files and captured images
  - **mCamera1Rectified.mat**: calibration matrices of the main camera
  - **mCamera2Rectified.mat**: calibration matrices of the auxiliary camera
  - **mProjector.mat**: calibration matrices of the projector
  - **Tissue**: 50 frames of captured images measuring waving tissue
  - **Statue**: 50 frames of captured images measuring dynamic gypsum statu