z_*OBSOLETE* Undistortion and Calibration Download

*** OBSOLETE, DO NOT USE ***

CRITICAL UPDATE: Use new XMALab software for marker-based XROMM, including Undistortion, Calibration, Marker Tracking, and Rigid Bodies.
XMALab replaces MATLAB XrayProject. See Bitbucket XMALab wiki for XMALab User Manual (not this wiki).

Undistortion and Calibration Download Instructions

1. For both programs, find the link to the most recent version on the Recent Changes and Downloads page.
2. Click the links appropriate for your computer (Mac or Windows)
3. Open the .dmg file that is downloaded to your computer.
4. Drag the icon that appears into your Applications folder.
5. Your computer may give you a warning when you open the application that it was downloaded from the internet. Ignore this.

Additional Files Required

1. Download the Framespec and Reference Points Files for the Brown Cubes here. If you use your own calibration objects, you have to create your own Framespec and Reference Points files!
2. Download the Conversion script to convert from *.csv to *.mat here.

Undistortion Program Explanation

- This stand-alone program calculates the undistortion transform from a punched-metal grid image. It can also be used to apply the transform to single images or stacks of images. These same steps can be done in the Matlab XrayProject program, but the stand-alone XROMM Undistorter is faster and is able to handle a wider range of grid images (e.g. with occlusions, intensity variations).

PDF Manual is available for Download

Calibration Program Explanation

- This stand-alone program calculated the calibration of the two Xray cameras using cube images. This step can also be done in the Matlab XraProject program, but the stand-alone XROMM Calibration program is faster and easier to use.